

Sonya Strambler

From: Mike Smith
Sent: Wednesday, November 28, 2018 12:25 PM
To: John Dockall
Cc: Charlotte Dotson; Alejandro, Nicholas
Subject: FW: Contact
Attachments: UT Lands with Lease #.pdf; 2016 University Lands Contact List1.xlsx; 2016 University Lands Map booklet.pdf

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 96 of 137

John,

Our land agent, Charlotte, has already sent letters to the various tenants informing them of the work we'll be doing in general. For specific visitations, however, if Nick doesn't mind contacting the lessees, that's fine with us. Or, since your schedule and locations will likely vary based on day-to-day progress, it may be easier for you to contact the lessee directly (unless Nick has any objection). To that end, I'm forwarding the lessee information for University Lands, which Nick provided.

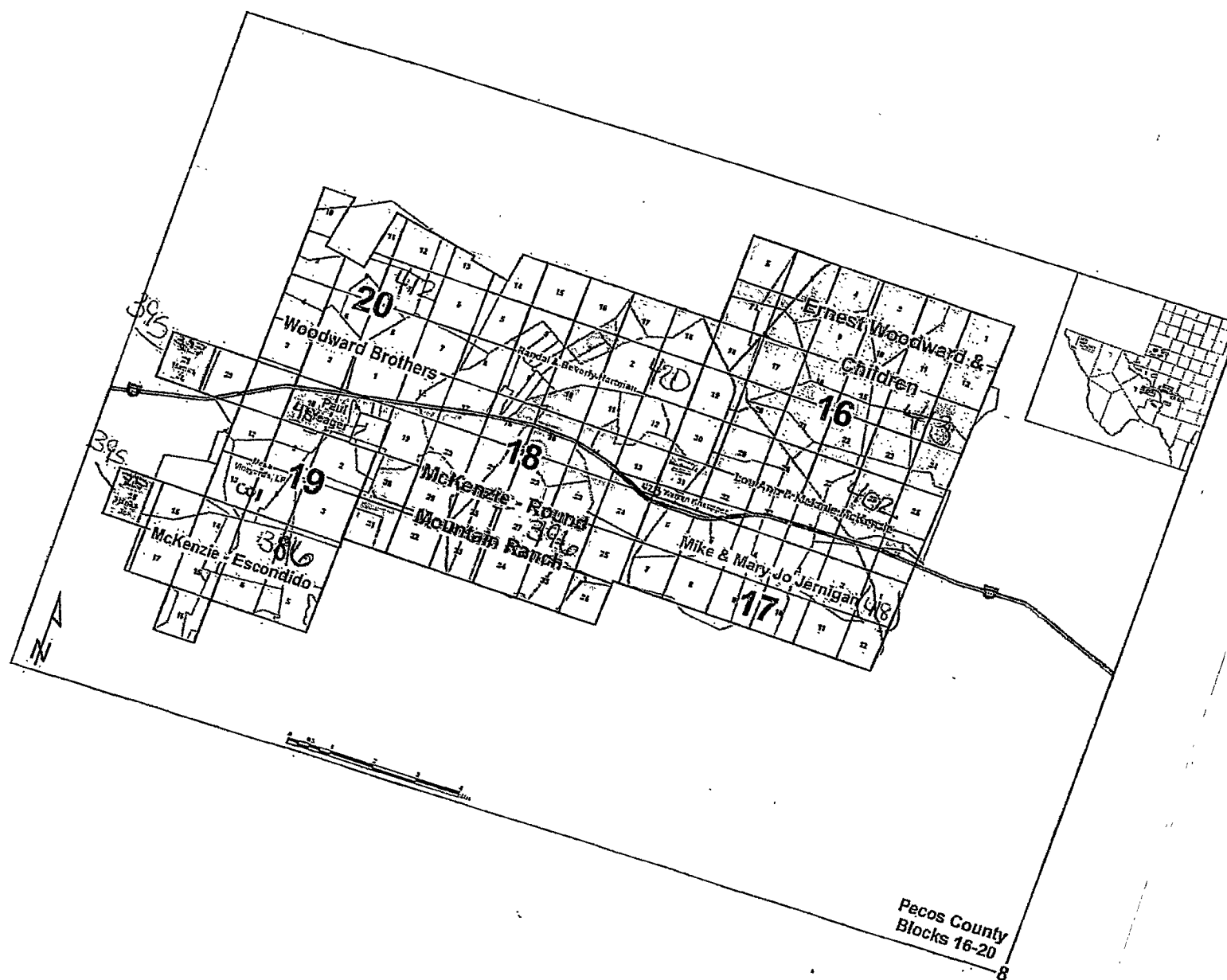
We're also attempting to get the contact information for the surveying crew (SAM Inc.) who are and/or have been out there, just in case they may be able to help you with any specific access/logistical information on the ground. I'll let you know when I hear back from them.

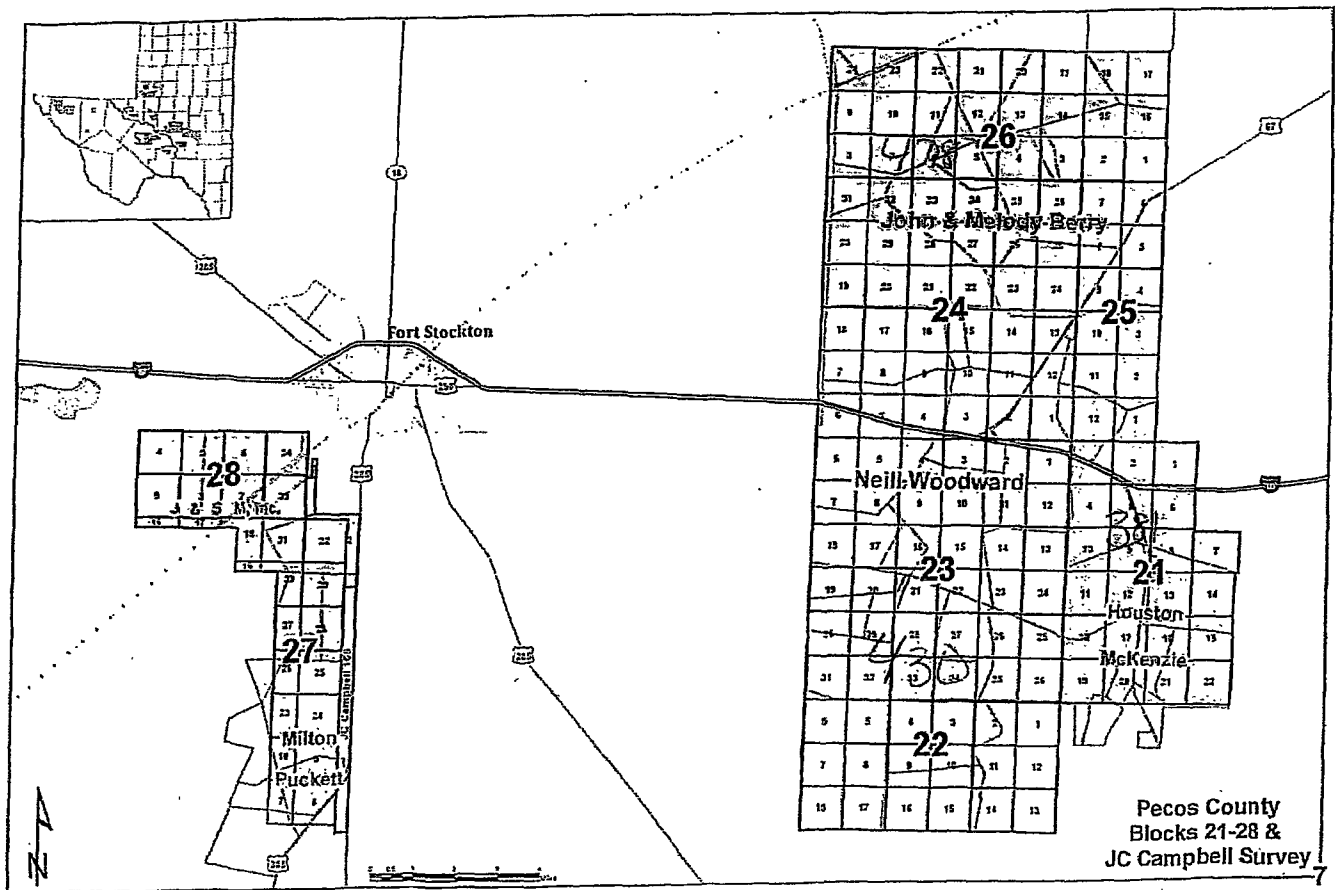
Thanks,
Mike

From: Charlotte Dotson
Sent: Wednesday, November 28, 2018 10:49 AM
To: Mike Smith <Mike.Smith@LCRA.ORG>
Subject: FW: Contact

The last attachment is the complete packet sent by Nick. The first two attachment are the parcels that been sent notification letters.

Charlotte Dotson SR/WA
Right of Way Agent, Sr.
Lower Colorado River Authority
P.O. Box 220 | MS D140 | Austin, Texas 78767
O: 512.578.4566 | M: 512.924.9537 | F: 512.578.4193





LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0381	McKenzie, Houston	Sarah McKenzie	H. C. 73 Box 48	McCamey, TX 79752	432-395-2596	915-637-3845	7
0383	Puckett, Milton	Milton Puckett	P. O. Box 1683	Ft. Stockton, TX 79735-1683	432-336-3901		7
0406	J & S M, Inc.	John May	P. O. Box 250	Ft. Stockton, TX 79735-0252	432-336-2936 432-336-5010		7
0430	Woodward, Neill (Pecos Co.)	Neill Woodward	P. O. Box 1177	Ft. Stockton, TX 79735	432-395-2443	432-290-2237	7
0478	Berry, John & Melody	John Berry	P. O. Box 1486	Ft. Stockton, TX 79735-1486	432-336-5398	432-940-4062	7
0001	Mesa Vineyards, LP	Patrick Prendergast	P. O. Box 130	Ft. Stockton, TX 79735	432-395-2417 512-330-9885		8
0386	McKenzie- Escondido	L. B. (Stump) McKenzie	3516 Seven D Road	Ft. Stockton, TX 79735	432-395-2407	432-290-0191	8
0395	Hanks, Billie Jr.	Billie Hanks	1101 S. Abe St.	San Angelo, TX 76903	325-655-4433 432-395-2344	254-718-0330	8
0396	McKenzie- Round Mountain Ranch	L. B. (Stump) McKenzie	3516 Seven D Road	Ft. Stockton, TX 79735	432-395-2407	432-290-0191	8
0402	McKenzie, Lou Ann & Melanie	Lou Ann McKenzie	P. O. Box 1604	Ft. Stockton, TX 79735-1604	432-336-2577 432-395-2272	713-907-1550	8
0412	Woodward Brothers	Loyd (Snap) Woodward	HC 73 Box 409	Girvin, TX 79740-9740	432-395-2432 432-395-2991	432-634-2991	8
0413	Woodward, Ernest & Children	Ernest Woodward	HC 73, Box 29	McCamey, TX 79752	432-395-2292 432-395-2263	432-638-2263	8
0415	Yeager, Paul	Paul Yeager	171 Tunas Creek Rd.	McCamey, TX 79752	432-395-2271	432-238-5761	8
0416	Jernigan, Mike & Mary Jo (Pecos Co.)	Mike Jernigan	P. O. Box 426	Iraan, TX 79744	432-639-2610	432-557-1717	8
0420	Hartman, Randal & Beverly	Randal Hartman	H. C. 73, Box 22	McCamey, TX 79752-9704	432-395-2285 432-395-2413	432-940-3840	8
0423	Kneupper, Warren	Warren Kneupper	HC 73, Box 19A	McCamey, TX 79752		432-208-8157	8

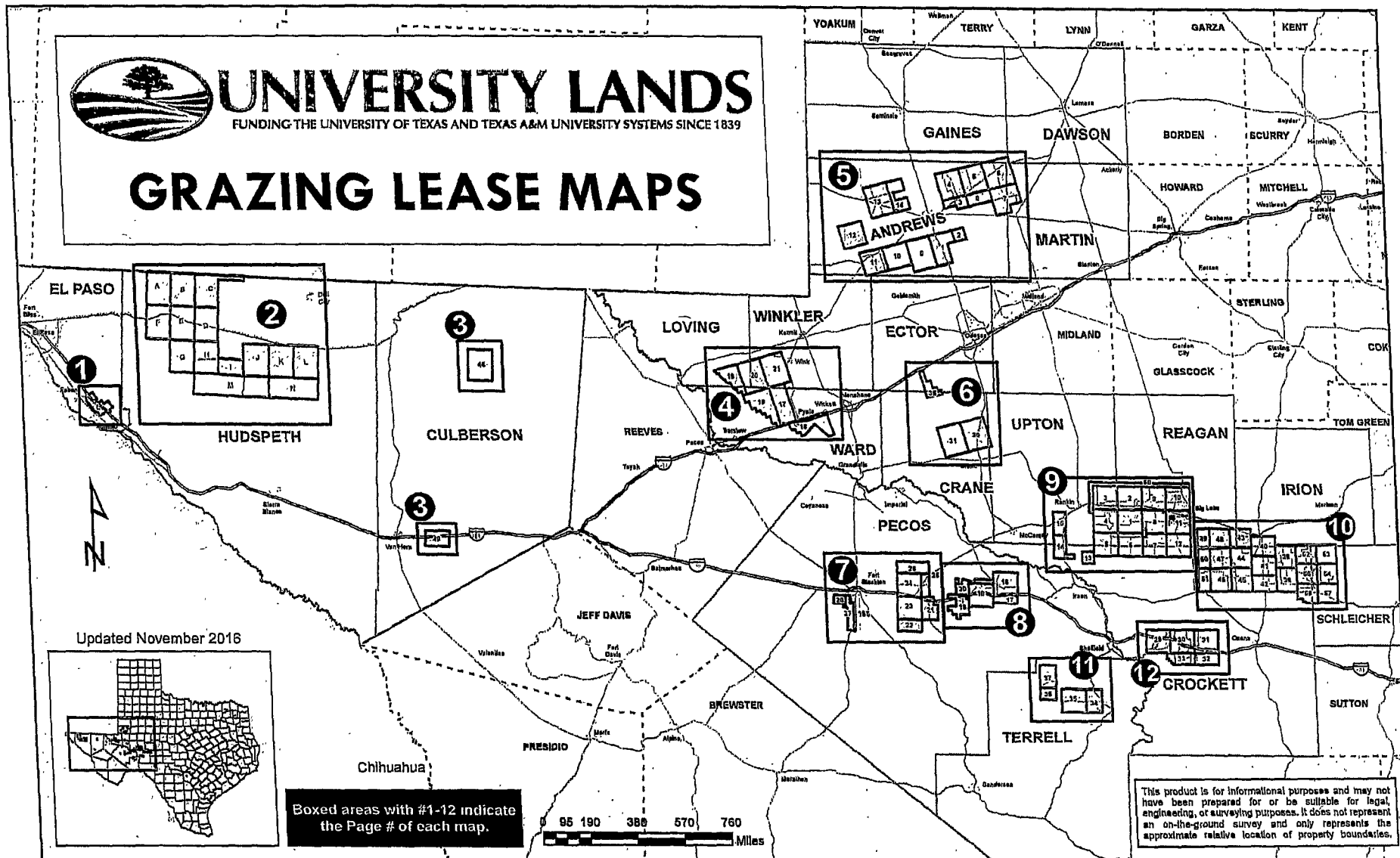


TABLE OF CONTENTS

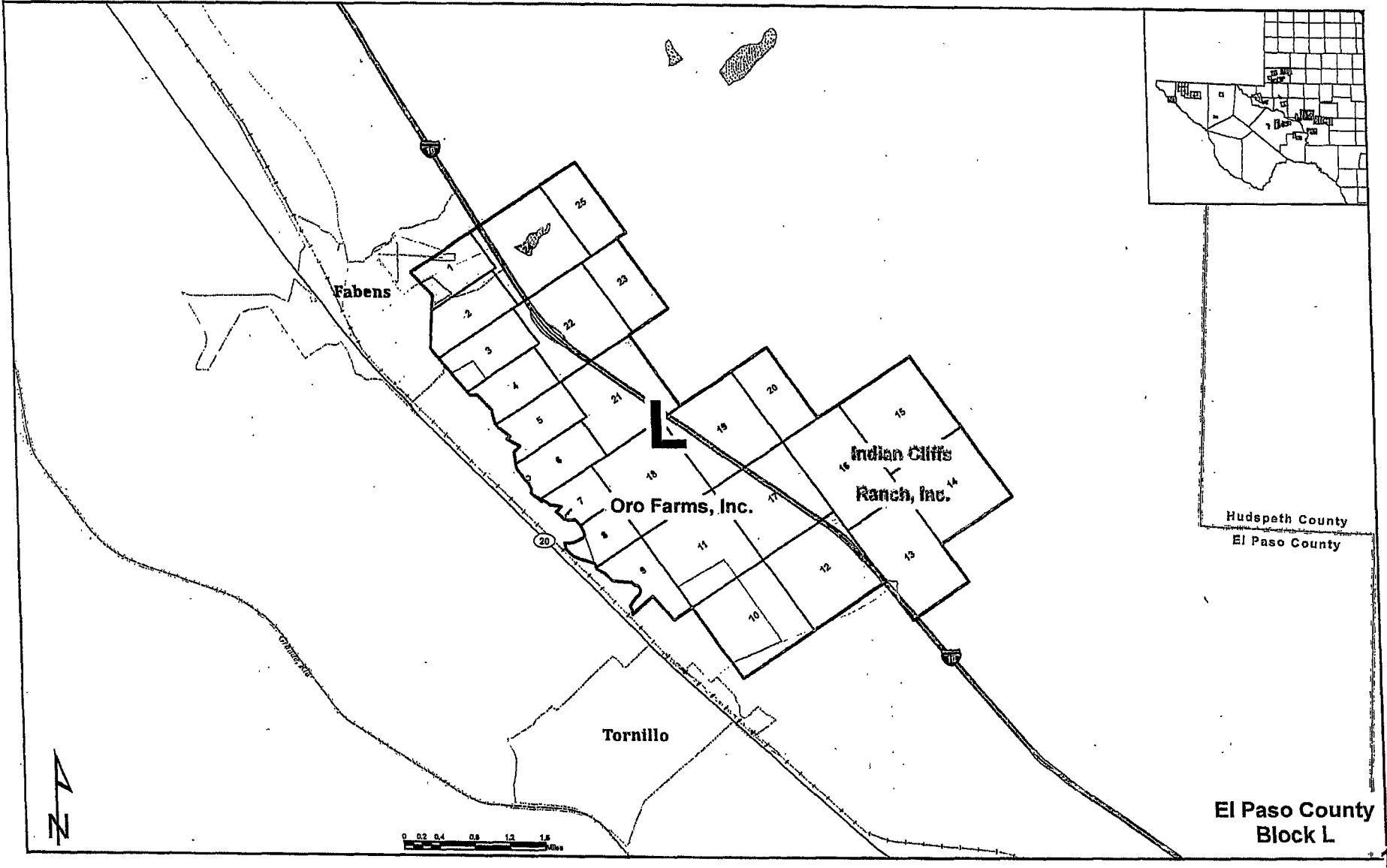
COUNTY	BLOCK	PAGE
ANDREWS	1-14	5
CRANE	30, 31, 35	6
CROCKETT	5-7, 12-14	9
CROCKETT	29-33	12
CROCKETT	38-52, 55, 56	10
CULBERSON	46, 48	3
DAWSON	6	5
ECTOR	35	6
EL PASO	L	1
GAINES	6	5
HUDSPETH	A-N	2
IRION	38, 40, 43, 52, 53	10
LOVING	19, 20	4
MARTIN	6, 7	5

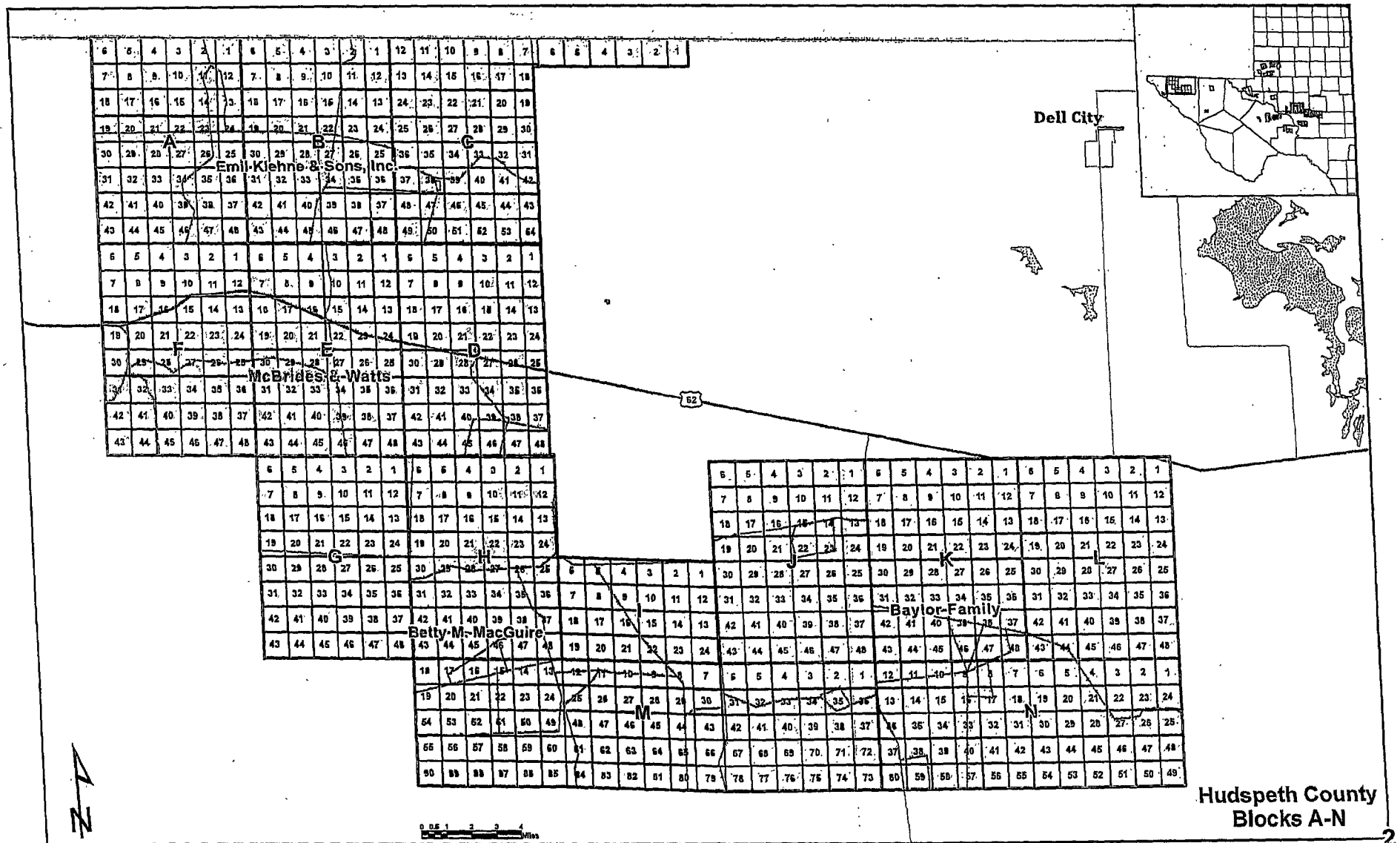
COUNTY	BLOCK	PAGE
PECOS	16-20	8
PECOS	21-28	7
PECOS (J.C. Campbell Survey)	165	7
REAGAN	1-12, 58	9
REAGAN	43, 48, 49	10
SCHLEICHER	52-57	10
TERRELL	34-37	11
UPTON	3-5, 14, 15, 58	9
UPTON	30	6
WARD	16-20	4
WINKLER	11	5
WINKLER	17, 20, 21	4
Grazing Lessee Contact List		13-20
University Lands Representatives		i

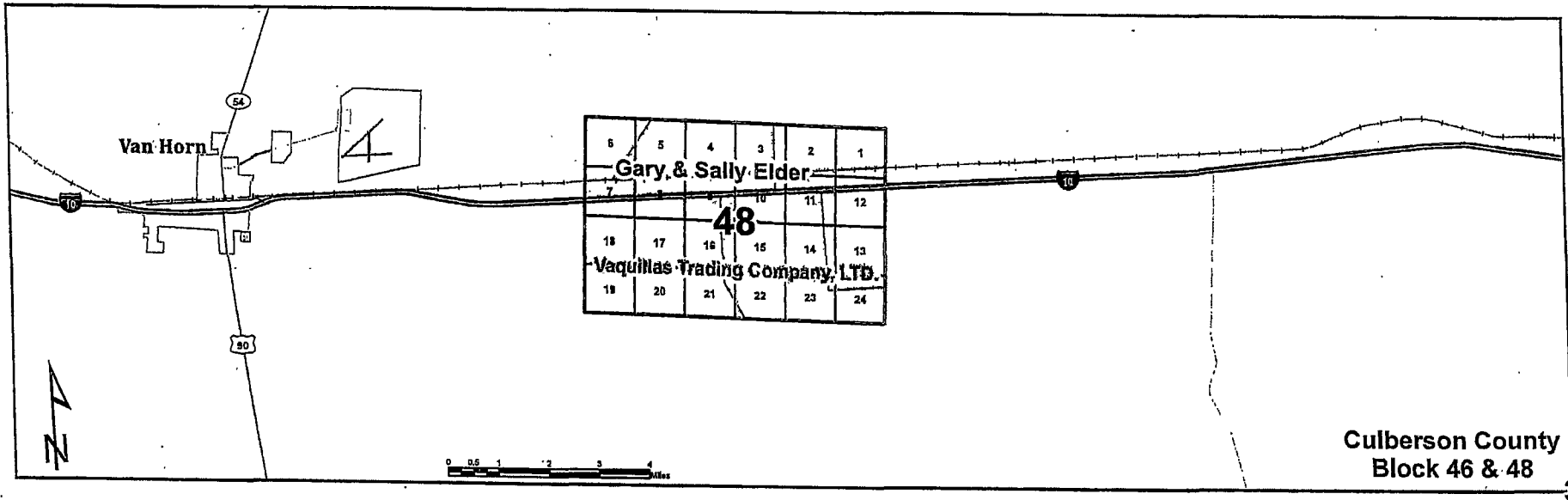
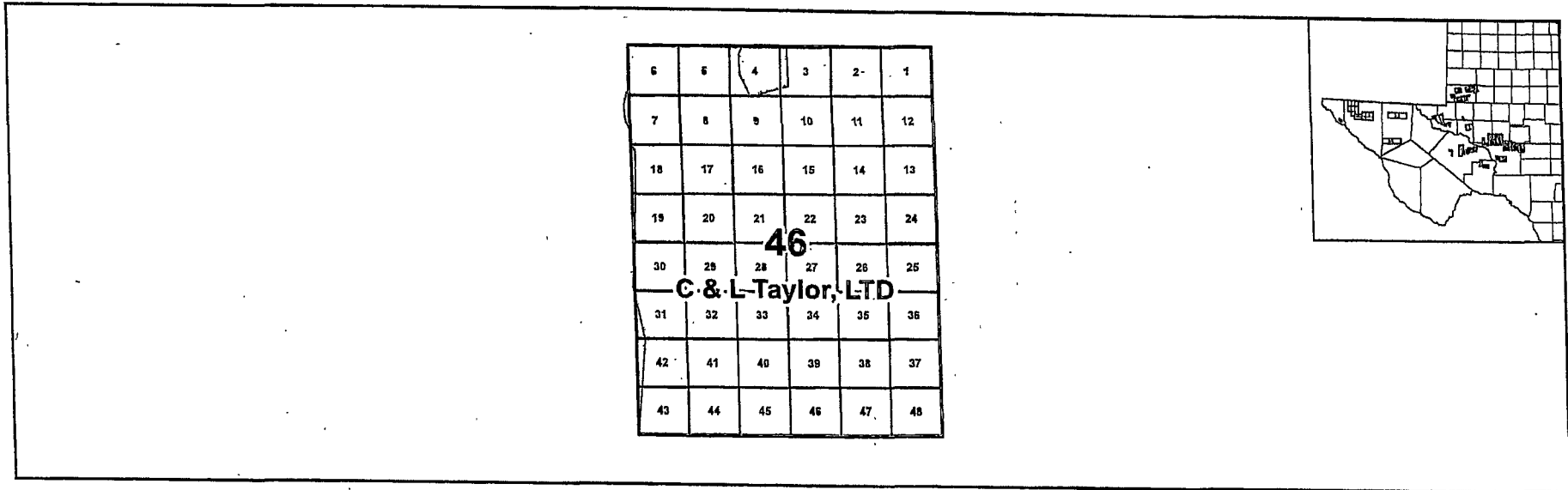
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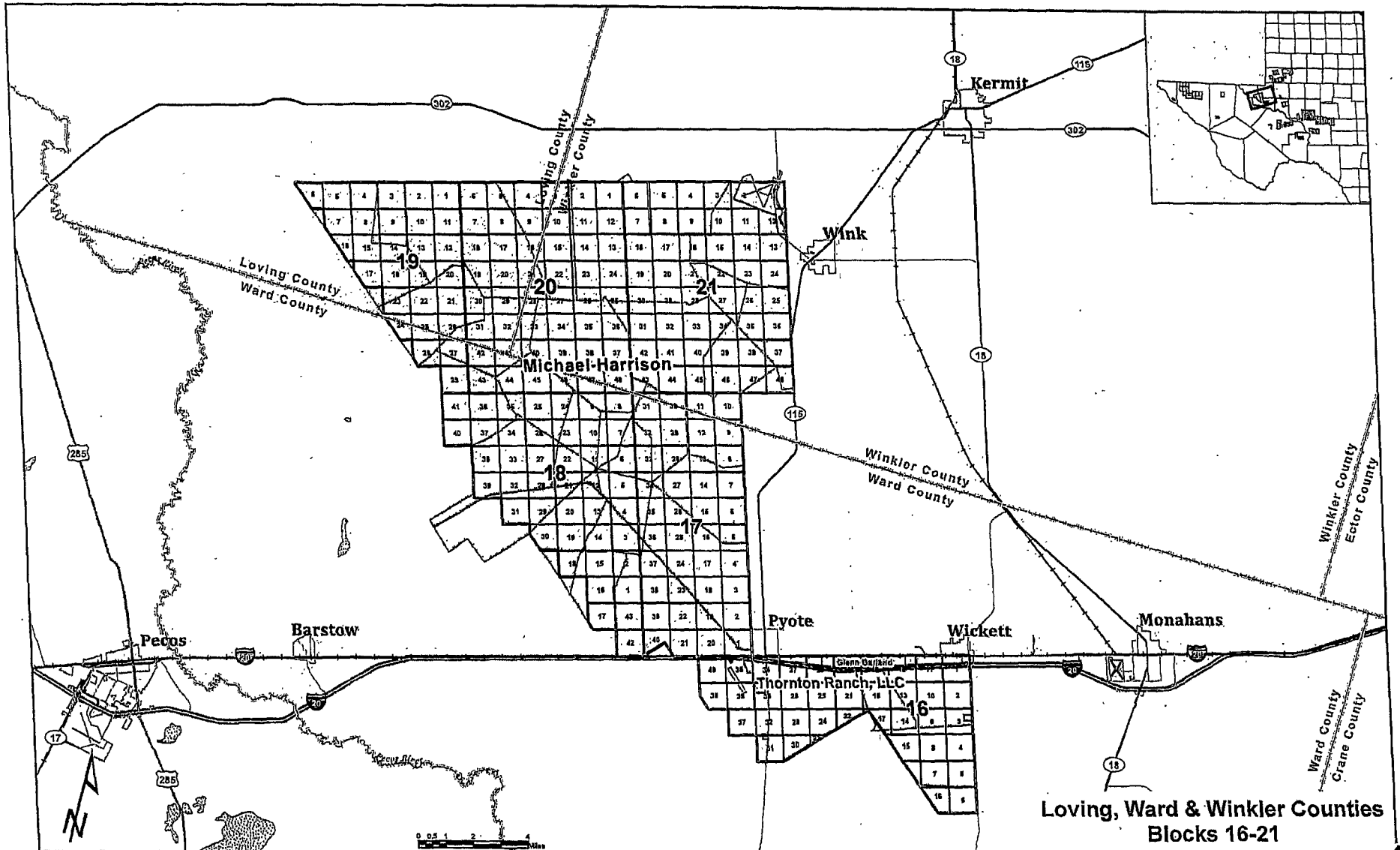
UNIVERSITY LANDS REPRESENTATIVES

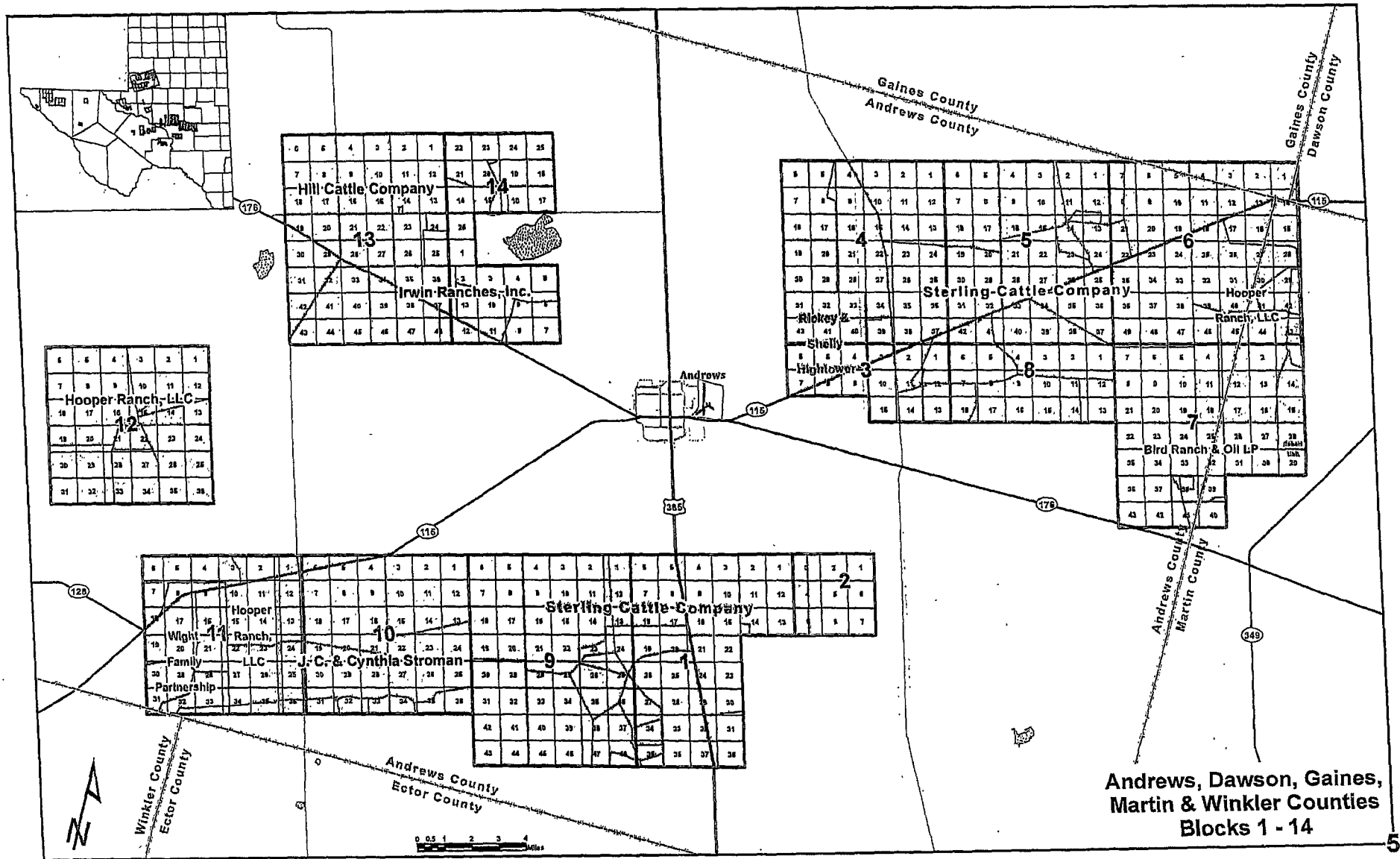
Executive Director, University Lands	Midland Office	Fax Number	Email
Richard Brantley	432-684-4404	432-682-7456	rbrantley@utsystem.edu
Manager, Surface Interests	Midland Office	Fax Number	
Joe Petersen	432-686-5475	432-683-8780	joe.petersen@utsystem.edu
Energy Representatives	Cell Phone	Fax Number	
Nick Alejandro (<i>Crane, Ector, Pecos & Terrell Counties</i>)	830-889-4335	432-683-8780	nalejandro@utsystem.edu
Drew McEachern (<i>Andrews, Dawson, Gaines & Martin Counties</i>)	432-634-4108	432-683-8780	dmceachern@utsystem.edu
Brazos Peacock (<i>Crockett (Blk 5-7 & 12-14), Reagan (Blk 1-12 & 58) & Upton Counties</i>)	432-940-4392	432-683-8780	bpeacock @utsystem.edu
Michael Taylor (<i>Culberson, Hudspeth, El Paso, Loving, Ward & Winkler Counties</i>)	432-940-4945	432-683-8780	mitaylor@utsystem.edu
Jeff White (<i>Crockett (Blk 29-33, 38-52,55,56), Irion, Reagan (Blk 43,48,49) & Schleicher Counties</i>)	432-556-2564	432-683-8780	jeff.white@utsystem.edu
Range and Wildlife Representatives	Cell Phone	Fax Number	
Nick Alejandro (<i>Crane, Ector, Pecos & Terrell Counties</i>)	432-889-4335	432-683-8780	nalejandro @utsystem.edu
Drew McEachern (<i>Andrews, Culberson, Dawson, El Paso, Gaines, Hudspeth, Loving, Martin, Ward, & Winkler Counties</i>)	432-634-4108	432-683-8780	dmceachern@utsystem.edu
Brazos Peacock (<i>Crockett (Blk 5-7 & 12-14), Reagan (Blk 1-12 & 58) & Upton Counties</i>)	432-940-4392	432-683-8780	bpeacock @utsystem.edu
Jeff White (<i>Crockett (Blk 29-33, 38-52,55,56), Irion, Reagan (Blk 43,48,49) & Schleicher Counties</i>)	432-556-2564	432-683-8780	jeff.white@utsystem.edu
Pyote Facility Maintenance	Cell Phone	Fax Number	
Michael Taylor	432-940-4945	432-683-8780	mitaylor@utsystem.edu
Cash Management Coordinator	Midland Office	Fax Number	
Amber Jackson	432-686-4721	432-683-8780	ajackson@utsystem.edu
Easement and Surface Lease Representatives	Midland Office	Fax Number	
Jim Buice	432-686-4778	432-683-8780	jbuice@utsystem.edu
Cindy Gómez	432-686-4715	432-683-8780	cgomez@utsystem.edu
Kathy Woods	432-686-4725	432-683-8780	kwoods@utsystem.edu
Water Management	Cell Phone	Fax Number	
Steven Brite	214-531-2974	432-683-8780	sbrite@utsystem.edu
SWD & Brine Contracts, Surface Leases & Restoration	Cell Phone	Fax Number	
Daniel Bryant	432-661-6808	432-683-8780	dbryant@utsystem.edu



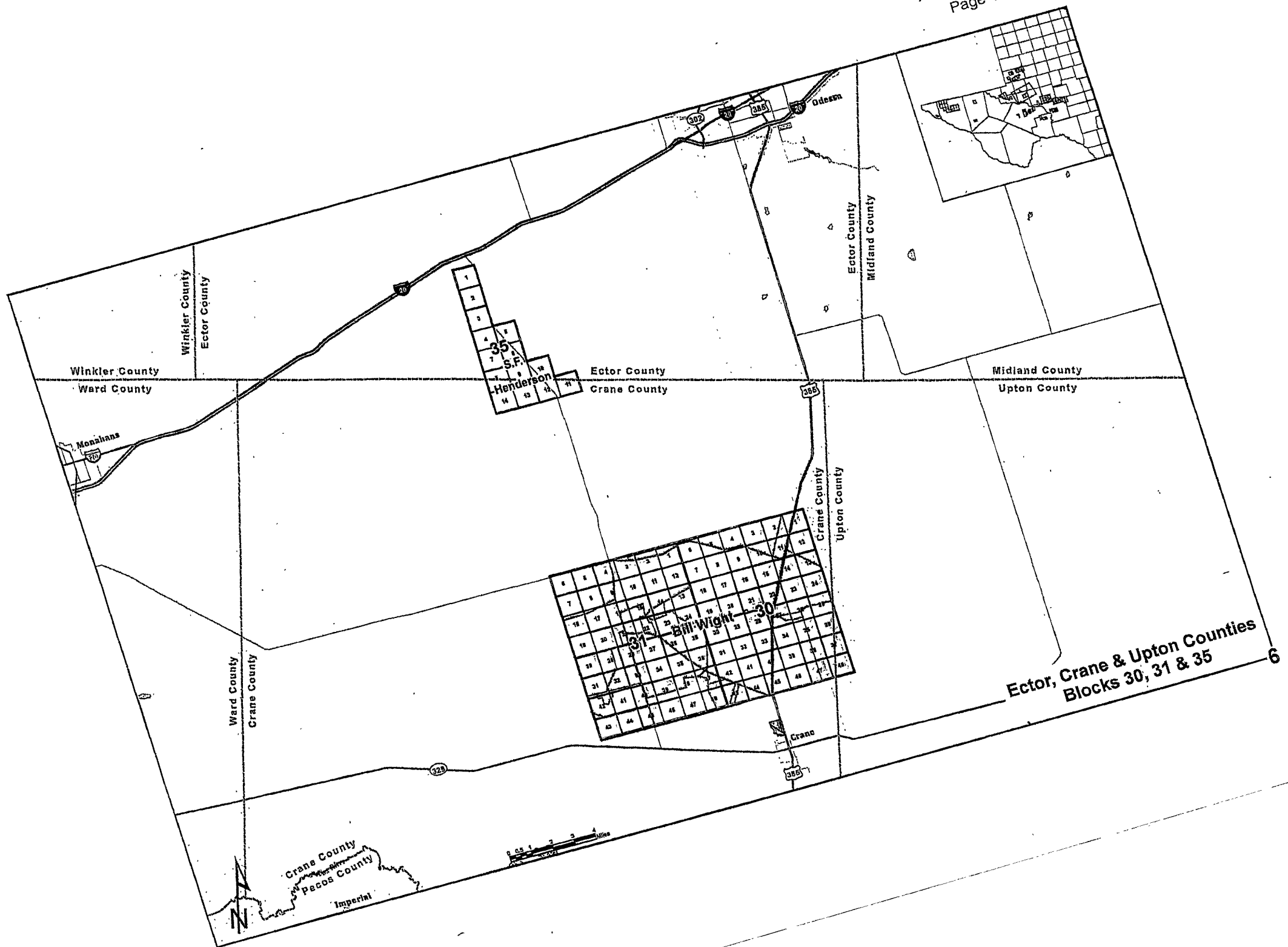




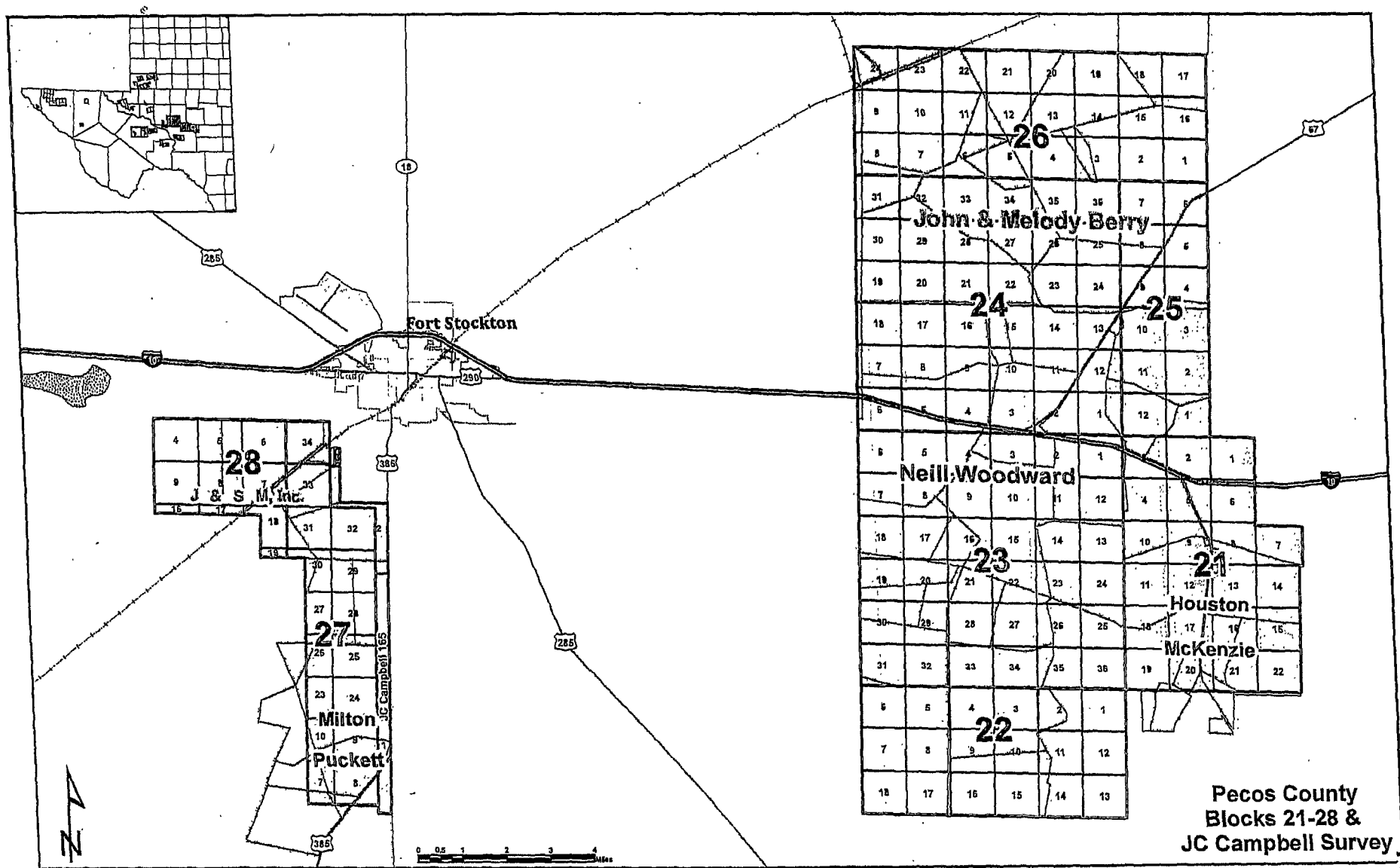


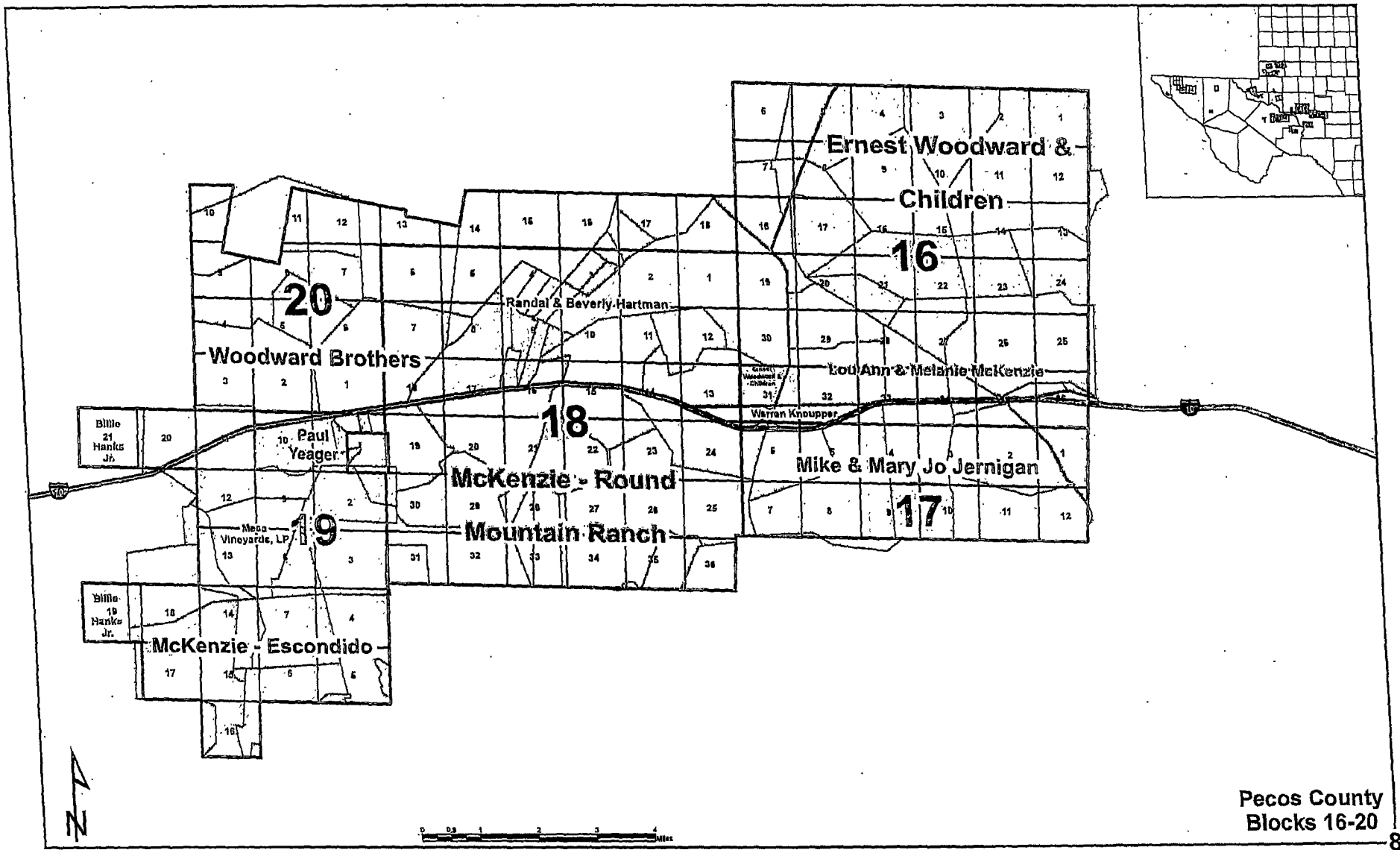


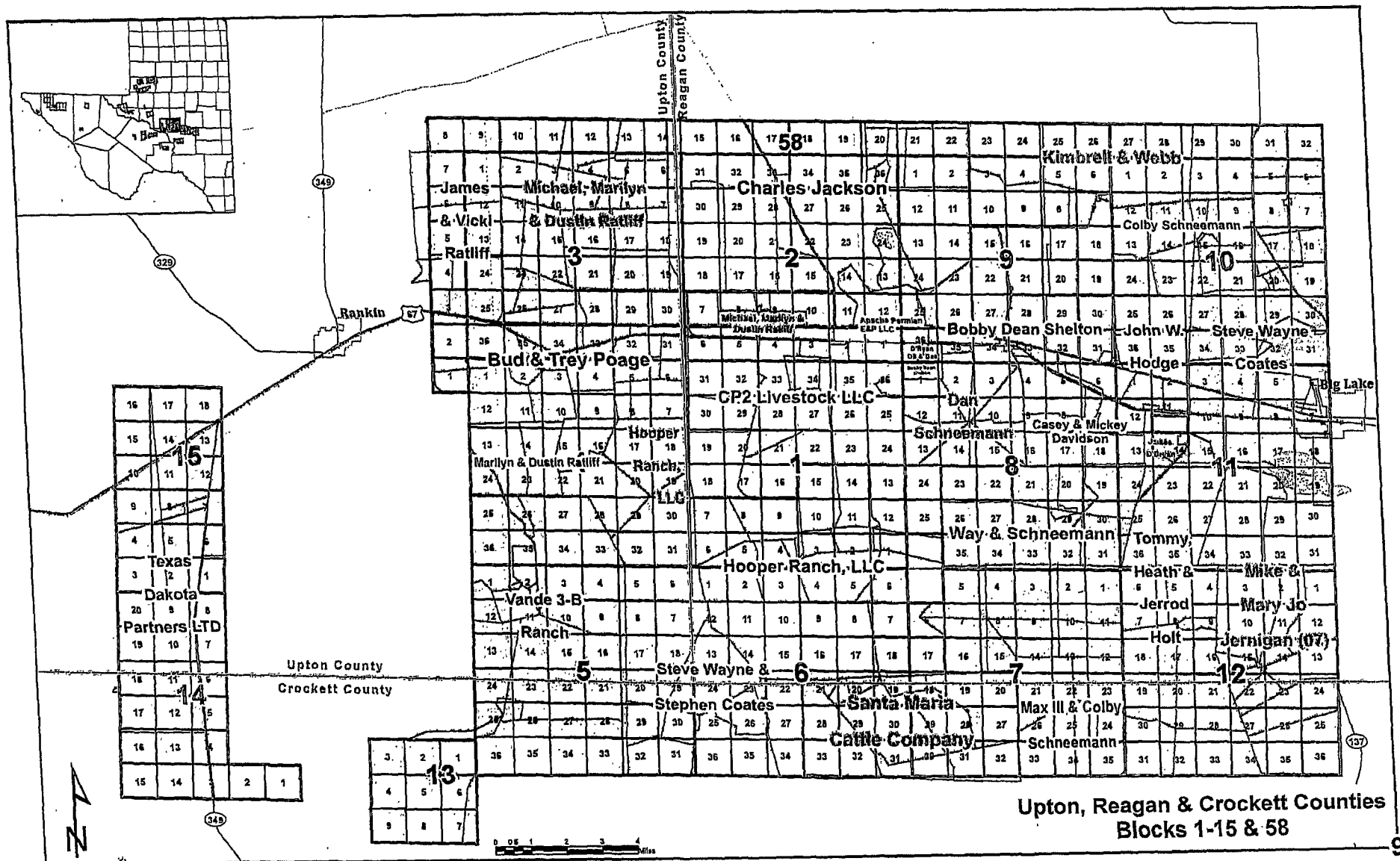
Andrews, Dawson, Gaines,
Martin & Winkler Counties
Blocks 1 - 14



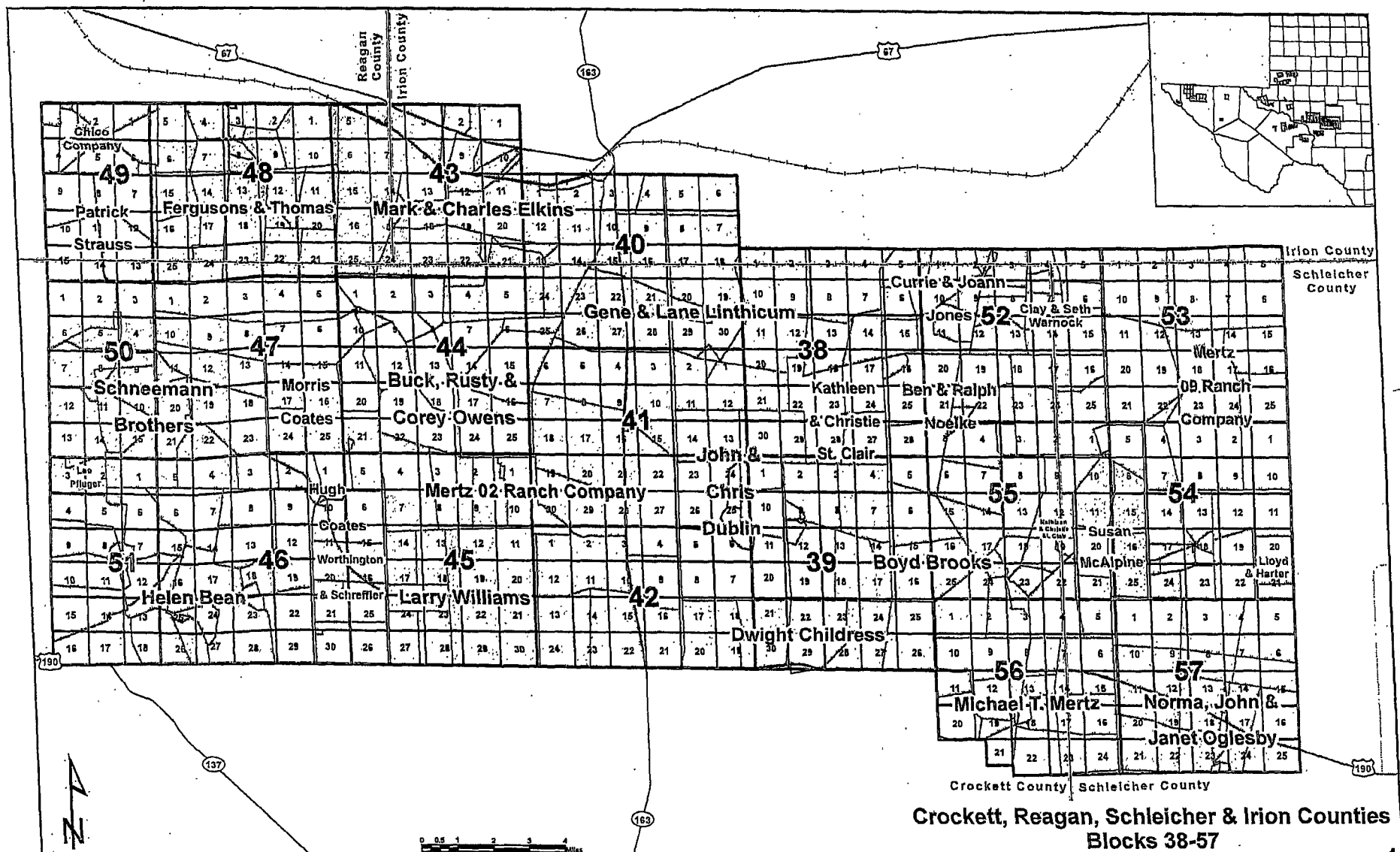
Ector, Crane & Upton Counties
Blocks 30, 31 & 35



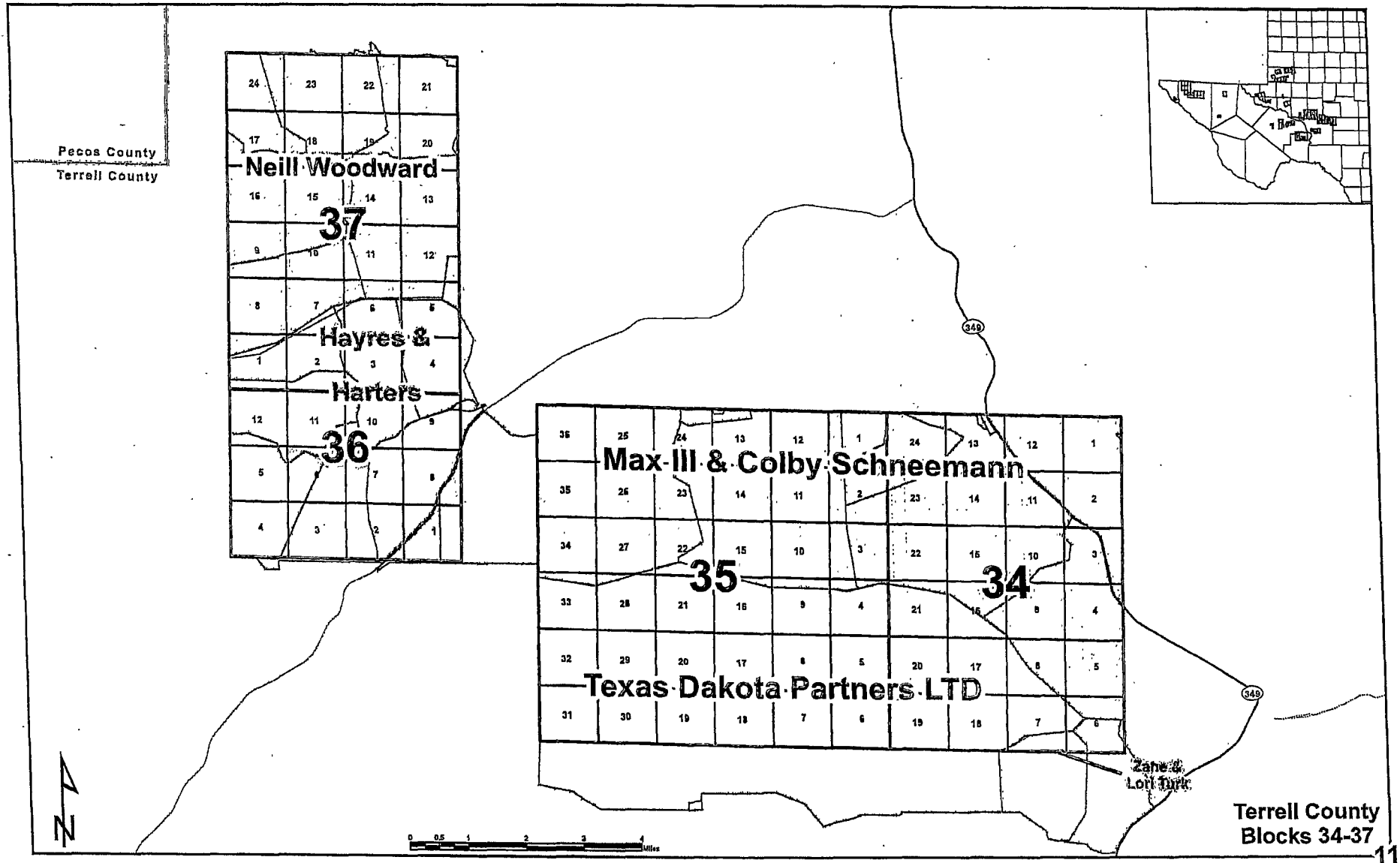


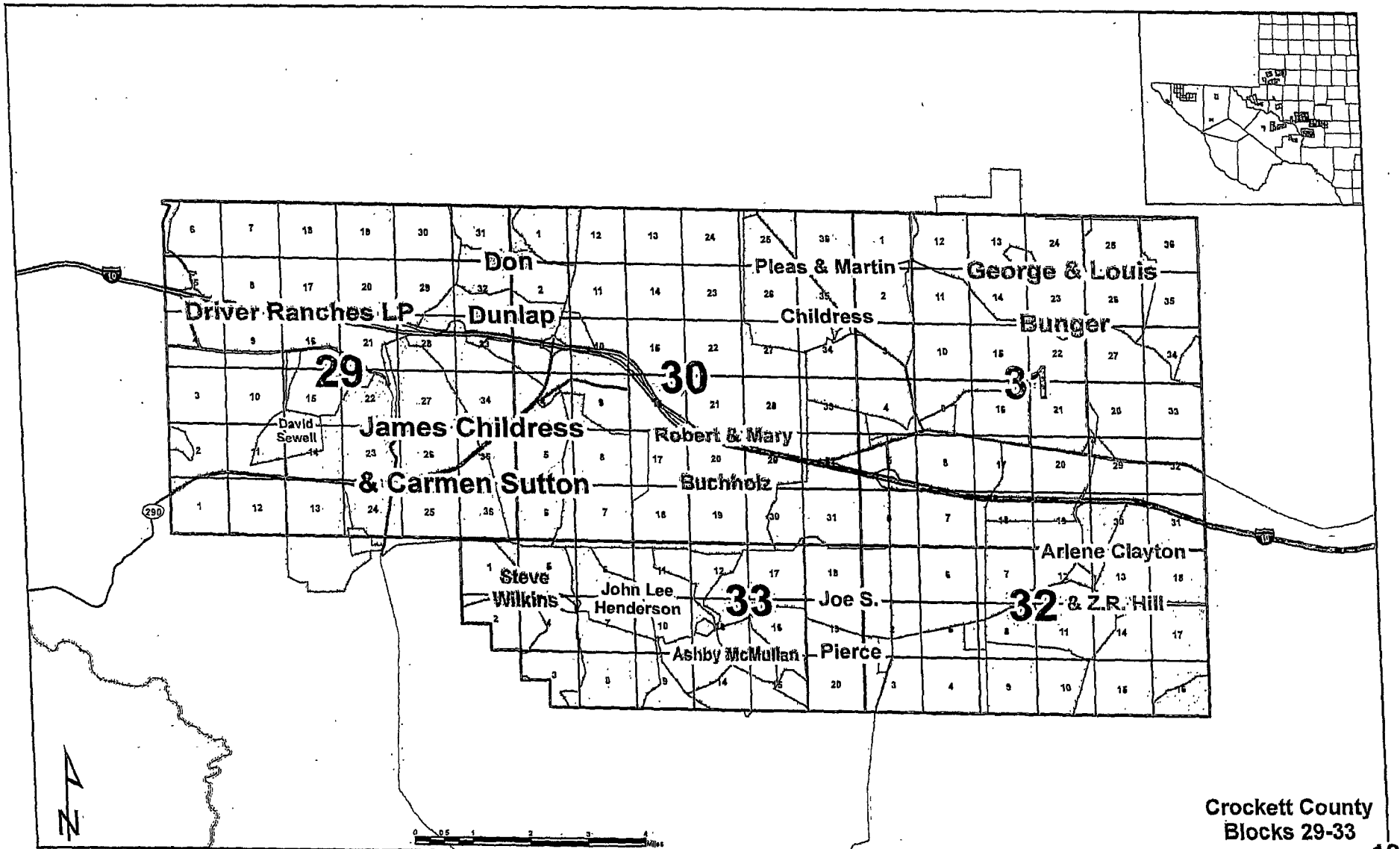


Upton, Reagan & Crockett Counties
Blocks 1-15 & 58



Crockett, Reagan, Schleicher & Irion Counties
Blocks 38-57





**UNIVERSITY LANDS
GRAZING LEASE NAMES – ALPHABETICAL LIST
As of December 1, 2016**

LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0472	Apache Permian Exp. & Prod., LLC	Tony Homan	303 Veterans Airpark Ln, Suite 1000	Midland, TX 79705-4561	432-818-1931	432-967-7781	9
0426	Baylor Family	Tom Baylor	P.O. Box 59	Sierra Blanca, TX 79851	915-986-2420	915-217-3879	2
0390	Bean, Helen	Helen Bean	P.O. Box 1908	Ozona, TX 76943	325-392-5666 325-392-2023		10
0478	Berry, John & Melody	John Berry	P. O. Box 1486	Ft. Stockton, TX 79735-1486	432-336-5398	432-940-4062	7
0446	Bird Ranch & Oil, LP	Kay Bird	P. O. Box 1149	Midland, TX 79702-1149	432-682-6288 432-684-7365		5
0419	Brooks, Boyd	Boyd Brooks	8510 A Hwy. 70	Sweetwater, TX 79556-9804	325-236-0128	325-725-6972	10
0436	Buchholz, Robert & Mary	Bob Buchholz	1251 CR 220	Eldorado, TX 76936	325-853-3839	325-650-5331	12
0479	Bunger, George & Louis	George Bunger	P. O. Box 1248	Ozona, TX 76943-1248	325-392-3177 325-392-3595	392-226-2183	12
0480	C & L Taylor, LTD	Louise Taylor	P. O. Box 967	Pecos, TX 79772-0967	432-447-9366	432-448-0223	3
0481	Chico Company	Bill Schneemann	1005 N. Plaza Ave.	Big Lake, TX 76932-3217	325-884-2082	325-650-9221	10
0376	Childress, Dwight	Dwight Childress	P. O. Box 1947	Ozona, TX 76943-1947	325-392-2492	325-226-1826	10
0429	Childress, James & Sutton, Carmen	James (Bob) Childress	P. O. Box 1249	Ozona, TX 76943	325-392-3743 325-392-2382	325-277-1450	12
0375	Childress, Pleas & Martin	Pleas Childress	P. O. Box 877	Ozona, TX 76943-0877	325-392-3103	325-226-3103	12

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LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0385	Clayton, Arlene & Hill, Z. R.	Arlene Clayton	P. O. Box 1969	Ozona, TX 76943-1969	325-392-2117	325-226-4561	12
0461	Coates, Hugh	Hugh Coates	P. O. Box 5160	Uvalde, TX 78802	830-563-2303	830-563-5959	10
0457	Coates, Morris	Morris Coates	P. O. Box 105	Ozona, TX 76943	325-392-5267	325-226-0217	10
0473	Coates, Steve Wayne (Reagan Co.)	Steve Wayne Coates	P.O. Box 645	Mertzon, TX 76941	325-655-1626	432-650-4477 325-226-4184	9
0438	Coates, Steve Wayne & Stephen (Upton, Reagan, Crockett Co.)	Steve Wayne Coates	P. O. Box 645	Mertzon, TX 76941	325-655-1626	432-650-4477 325-226-4184	9
0408	CP2 Livestock, LLC	Clayton Pearson	P.O. Box 50271	Midland, TX 79710	405-706-2831		9
0404	Davidson, Casey & Mickey	Mickey Davidson	P. O. Box 148	Big Lake, TX 76932	432-556-6599	325-277-0221	9
0449	Driver Ranches, LP	Dane Driver	P. O. Box 360	Garden City, TX 79739	432-354-2555	432-556-5530	12
0443	Dublin, John & Chris	Chris Dublin	5417 Fruitland Farm Road	San Angelo, TX 76903-1036	325-653-5659	325-657-3878	10
0444	Dunlap, Don	Don Dunlap	P. O. Box 1605	Ozona, TX 76943-1605			12
0431	Elder, Gary & Sally	Sally Elder	P. O. Box 1282	Van Horn, TX 79855-1282	432-283-2330	432-284-0323 432-940-2388	3
0450	Elkins, Mark & Charles	Mark Elkins	10402 East County Road 105	Midland, TX 79706	432-684-7191 325-876-5921	325-450-9572	10
0451	Fergusons & Thomas	Bob Ferguson III	P. O. Box 903	Big Lake, TX 76932		325-277-8092	10
0467	Garland, Glenn	Glenn Garland	P. O. Box 418	Pyote, TX 79777	432-389-5642 432-389-5515	432-940-4777	4
0395	Hanks, Billie Jr.	Billie Hanks	1101 S. Abe St.	San Angelo, TX 76903	325-655-4433 432-395-2344	254-718-0330	8

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LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0465	Harrison, Michael	Michael Harrison	2707 N. Big Spring St.	Midland, TX 79705	432-445-4171 432-682-2810	432-557-4092	4
0420	Hartman, Randal & Beverly	Randal Hartman	H. C. 73, Box 22	McCamey, TX 79752-9704	432-395-2285 432-395-2413	432-940-3840	8
0468	Hayres & Harters	Tommy Hayre	P. O. Box 368	Sheffield, TX 79781-0368	432-836-4344	432-886-5730	11
0388	Henderson, John Lee	John L. Henderson	P. O. Box 519	Ozona, TX 76943	325-392-3503	325-226-3288	12
0459	Henderson, S. F.	S. F. (Sonny) Henderson	P. O. Box 121	Odessa, TX 79760-0121	432-367-0943	432-967-1002	6
0447	Hightower, Rickey & Shelly	Rickey Hightower	2030 CRD 4750	Lamesa, TX 79331	806-462-7915	806-759-7767	5
0441	Hill Cattle Company	Mike Hill	270 SW 7001	Andrews, TX 79714	432-596-4434	432-266-1339	5
0401	Hodge, John W.	Bill Hodge	510 N. Main	Big Lake, TX 76932	325-884-2479 325-884-2422		9
0437	Holt, Robert	Gloria Stephenson	3300 North A St., Bldg 2, Suite 220	Midland, TX 79705	432-682-4422		5
0454	Holt, Tommy, Heath & Jerrod	Heath Holt	P. O. Box 1009	Big Lake, TX 76932		325-650-1314	9
0433	Hooper Ranch, LLC (Andrews Co.-East)	Sammy Hooper	P. O. Box 1295	Crane, TX 79731-1295	432-337-3831	432-940-1081	5
0378	Hooper Ranch, LLC (Andrews Co.-West)	Sammy Hooper	P. O. Box 1295	Crane, TX 79731-1295	432-337-3831	432-940-1081	5
0397	Hooper Ranch, LLC (Reagan Co.)	Sammy Hooper	P. O. Box 1295	Crane, TX 79731-1295	432-337-3831	432-940-1081	9
0462	Hooper Ranch, LLC (Upton Co.)	Sammy Hooper	P. O. Box 1295	Crane, TX 79731-1295	432-337-3831	432-940-1081	9
0486	Indian Cliffs Ranch, Inc.	Dieter Gerzymisch	P. O. Box 1056	Fabens, TX 79838	915-544-3200		1

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0452	Irwin Ranches, Inc.	Coy Irwin	3150 W. FM 1967	Andrews, TX 79714	432-523-2662	432-413-0976	5
0406	J & S M, Inc.	John May	P. O. Box 250	Ft. Stockton, TX 79735-0252	432-336-2936 432-336-5010		7
0405	Jackson, Charles	Charles Jackson	P. O. Box 963	Big Lake, TX 76932-0963	325-884-2726 325-884-2894	325-234-8903	9
0418	Jernigan, Mike & Mary Jo (Pecos Co.)	Mike Jernigan	P. O. Box 426	Iraan, TX 79744	432-639-2810	432-557-1717	8
0464	Jernigan, Mike & Mary Jo (07)	Mike Jernigan	P. O. Box 426	Iraan, TX 79744	432-639-2810	432-557-1717	9
0484	Jones, Currie & Joann	Currie Jones	P. O. Box 23	Christoval, TX 76935	325-896-2022	325-277-2233	10
0380	Klehne, Emil & Sons, Inc.	Jim Klehne	21403 Hwy 62-180	El Paso, TX 79938	915-964-2855		2
0470	Kimbrell, Russell & Webb, Martha	Russell Kimbrell	P.O. Box 374	Mountain Home, TX 78058	979-229-1735	361-935-7613	9
0423	Kneupper, Warren	Warren Kneupper	HC 73, Box 19A	McCamey, TX 79752		432-208-8157	8
0400	Linthicum, Gene & Lane	Gene Linthicum	P. O. Box 75	Barnhart, TX 76930	325-944-3860	325-650-0781	10
0417	Lloyd, David & Harter, Margie	David Lloyd	Route 1	Eldorado, TX 76936-9801	325-853-2309	325-226-2785	10
0427	MacGuire, Betty M.	Jim Alcorn	P. O. Box 25	Ft. Hancock, TX 79839-0025	915-986-2417		2
0407	McAlpine, Mary Susan	Susan McAlpine	P. O. Box 791	Eldorado, TX 76936-9801	325-853-3539	325-226-3539	10
428	McBrides & Watts	Dan McBride	2500 South Water Street	Burnet, TX 78611	512-756-2802	512-755-1919 512-864-5956	2
0386	McKenzie- Escondido	L. B. (Stump) McKenzie	3516 Seven D Road	Ft. Stockton, TX 79735	432-395-2407	432-290-0191	8
0396	McKenzie- Round Mountain Ranch	L. B. (Stump) McKenzie	3516 Seven D Road	Ft. Stockton, TX 79735	432-395-2407	432-290-0191	8

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0402	McKenzie, Lou Ann & Melanie	Lou Ann McKenzie	P. O. Box 1604	Ft. Stockton, TX 79735-1604	432-336-2577 432-395-2272	713-907-1550	8
0382	McMullan, Ashby	Ashby McMullan	8502 High Cliff Drive	Fair Oaks, TX 78015	210-404-0222	210-488-7368	12
0460	Mertz 02 Ranch Company	Len Mertz	427 W. Concho Ave.	San Angelo, TX 76903-6310	325-658-8299	325-374-8688	10
0410	Mertz 09 Ranch Company	Len Mertz	427 W. Concho Ave.	San Angelo, TX 76903-6310	325-658-8299	325-374-8688	10
0409	Mertz, Michael T.	Michael Mertz	P. O. Box 673	Eldorado, TX 76936-0673	325-853-2811	325-226-0415	10
0001	Mesa Vineyards, LP	Patrick Prendergast	P. O. Box 130	Ft. Stockton, TX 79735	432-395-2417 512-330-9885		8
0403	Noelke, Ben & Ralph	Ben Noelke	2107 Scenic Drive	Austin, TX 78703	512-636-5839		10
0469	O'Bryan, James	Jim O'Bryan	P. O. Box 538	Big Lake, TX 76932	325-884-3015	325-277-1382	9
0453	Oglesby, Norma, Janet & John	Janet Oglesby	P. O. Box 117	Eldorado, TX 76936-9801		325-277-7346	10
0485	Oro Farms, Inc.	John Eveler	P. O. Box 1466	Fabens, TX 79838	915-764-2051	915-539-0798	1
0421	O'Ryan Oil & Gas	Ryan Hoerauf	P. O. Box 14821	Odessa, TX 79768	432-550-2112	432-553-1099	9
0476	Owens, Buck, Rusty & Corey	Buck Owens	P. O. Box 126	Barnhart, TX 76930-0126	325-876-5971	325-650-7854	10

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As of December 1, 2016

LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0474	Pfluger, Addison Lee	Lee Pfluger	P. O. Box 1991	San Angelo, TX 76902	325-944-4444	325-234-7777	10
0389	Pierce, Joe S.	Joey Pierce	P. O. Box 1481	Ozona, TX 76943	325-392-2931	325-226-2332	12
0488	Poage, Bud & Trey	Trey Poage	P.O. Box 369	Marble Falls, TX 78654	432-693-2609	806-928-2872	9
0383	Puckett, Milton	Milton Puckett	P. O. Box 1683	Ft. Stockton, TX 79735-1683	432-336-3901		7
0424	Ratliff, James III & Vicki	James (Rusty) Ratliff	P. O. Box 195	Rankin, TX 79778-0195	432-693-2360	432-631-4505	9
0455	Ratliff, Marilyn & Dustin	Dustin Ratliff	P. O. Box 777	Rankin, TX 79778	432-693-2375	432-556-8042	9
0414	Ratliff, Michael, Marilyn & Dustin	Dustin Ratliff	P. O. Box 777	Rankin, TX 79778	432-693-2375	432-556-8042	9
0398	Santa Maria Cattle Company	Heath Holt	P. O. Box 1009	Big Lake, TX 76932		325-650-1314	9
0416	Schneemann Brothers	Max Schneemann	P. O. Box 24	Big Lake, TX 76932	325-884-2041	325-650-9160	10
0445	Schneemann, Colby (Reagan Co.)	Colby Schneemann	P. O. Box 24	Big Lake, TX 76932		325-277-2141	9
0471	Schneemann, Dan	Dan Schneemann	P. O. Box 599	Big Lake, TX 76932	325-884-2098	325-450-4800	9
0458	Schneemann, Max III & Colby (Crockett Co.)	Max Schneemann	P. O. Box 24	Big Lake, TX 76932	325-884-2041	325-650-9160	9
0425	Schneemann, Max III & Colby (Terrell Co.)	Colby Schneemann	P. O. Box 24	Big Lake, TX 76932	325-884-2041	325-277-2141	11
0442	Sewell, David	David Sewell	P. O. Box 366	Ozona, TX 76943	325-392-5866	325-226-2438	12

UNIVERSITY LANDS
GRAZING LEASE NAMES – ALPHABETICAL LIST
 As of December 1, 2016

LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0399	Shelton, Bobby Dean	Bobby Dean Shelton	4119 Village East Circle	San Angelo, TX 76904	325-617-7090	325-226-2244	9
0392	St. Clair, Kathleen & Christie	John Nanny	P. O. Box 129	Barnhart, TX 76930	325-876-5108	325-226-2237	10
0434	Sterling Cattle Company (5 Wells)	Jimmy Sterling	21005 E State Hwy 350	Coahoma, TX 79511	432-965-3360 432-965-3464	432-213-0717	5
0448	Sterling Cattle Company (Clabberhill)	Jimmy Sterling	21005 E State Hwy 350	Coahoma, TX 79511	432-965-3360	432-213-0717	5
0379	Strauss, Patrick	Bill Strauss	P. O. Box 984	Big Lake, TX 76932-0984	325-884-2382		10
0440	Stroman, J. C. & Cynthia	J. C. (Butch) Stroman	P. O. Box 693	Sweetwater, TX 79556-0693	325-236-6518	325-235-7590	5
0377	Texas Dakota Partners, LTD (Terrell Co.)	DeWayne Lindsey	P. O. Box 160	Rankin, TX 79778-0160	432-693-2577	432-208-4288	11
0477	Texas Dakota Partners, LTD (Upton Co.)	DeWayne Lindsey	P. O. Box 160	Rankin, TX 79778-0160	432-693-2577	432-208-4288	9
0384	Thornton Ranch, LLC	Bluford Thornton	P. O. Box 538	Pyote, TX 79777-0538	432-547-2369	432-940-2369	4
0432	Turk, Zane & Lori	Zane Turk	P. O. Box 256	Iraan, TX 79744		432-661-9203	11
0487	Vande 3-B Ranch	Bodie Bennett	P. O. Box 66	Rankin, TX 79778-0066	432-693-2700	432-208-0002	9
0435	Vaquillas Trading Company, LTD	Gene (Primo) Walker, Jr.	HCR 1 Box 5	Aguilares, TX 78369	361-586-4822	956-763-8080	3
0393	Warnock, Clay & Seth	Clay Warnock	4963 N Hwy 18	Ft. Stockton, TX 79735-9467	432-336-3570	432-386-5589	10

UNIVERSITY LANDS
GRAZING LEASE NAMES – ALPHABETICAL LIST
As of December 1, 2016

LEASE #	LEASE NAME	CONTACT PERSON	ADDRESS	CITY, STATE & ZIP CODE	TELEPHONE #	CELL PHONE #	MAP PAGE #
0483	Way & Schneemann	Dan Schneemann	P. O. Box 599	Big Lake, TX 76932	325-884-2098	325-450-4800	9
0387	Wight Family Partnership	Bill Wight	P. O. Box 24	Odessa, TX 79760-0024	432-827-3537	432-664-3537	5
0439	Wight, Bill	Bill Wight	P. O. Box 31	Odessa, TX 79760-0031	432-827-3537	432-664-3537	6
0394	Wilkins, Steve	Steve Wilkins	P. O. Box 1107	Ozona, TX 76943-1107	325-392-3491 325-392-2554	325-226-1894	12
0475	Williams, Larry	Larry Williams	2276 US Hwy 190 W	Ozona, TX 76943	325-392-2137	325-206-1817 325-650-5930	10
0412	Woodward Brothers	Loyd (Snap) Woodward	HC 73 Box 409	Girvin, TX 79740-9740	432-395-2432 432-395-2991	432-634-2991	8
0413	Woodward, Ernest & Children	Ernest Woodward	HC 73, Box 29	McCamey, TX 79752	432-395-2292 432-395-2263	432-638-2263	8
0430	Woodward, Neill (Pecos Co.)	Neill Woodward	P. O. Box 1177	Ft. Stockton, TX 79735	432-395-2443	432-290-2237	7
0391	Woodward, Neill (Terrell Co.)	Neill Woodward	P. O. Box 1177	Ft. Stockton, TX 79735	432-395-2443	432-290-2237	11
0456	Worthington, Kaye & Schreffler, Diana	Vance Worthington	P. O. Box 1766	Ozona, TX 76943-1766	325-392-3866	325-650-7899	10
0415	Yeager, Paul	Paul Yeager	171 Tunas Creek Rd.	McCamey, TX 79752	432-395-2271	432-238-5761	8

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 123 of 137

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Sonya Strambler

From: John Dockall <jdockall@paiarch.com>
Sent: Monday, December 03, 2018 1:44 PM
To: Mike Smith
Cc: Alejandro, Nicholas
Subject: Re: Contact
Attachments: jdockall.vcf

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 124 of 137

From an external source - Think before you click

Thanks Mike. Just got your message. Sorry for the confusion...I'll blame my head cold. Since we are heading up on Monday I'll call them Friday or on the way out on Monday and let the first lessee know where we will start and get the information we need.

Thanks again

On 12/3/2018 1:39 PM, Mike Smith wrote:

Hey John,

Yes, please call the lessees. I think Nick was referring to you as the "surveyors."

From: John Dockall [mailto:jdockall@paiarch.com]
Sent: Monday, December 03, 2018 1:36 PM
To: Alejandro, Nicholas <nalejandro@utsystem.edu>; Mike Smith <Mike.Smith@LCRA.ORG>
Cc: Charlotte Dotson <Charlotte.Dotson@LCRA.ORG>; Lundgren, Gregory <glundgren@utsystem.edu>
Subject: Re: Contact

From an external source - Think before you click

Ok I'm confused. Our first day in the field will likely be on Tuesday morning since we have to drive out from Austin. So it appears that I do not call the lessees? What's the correct SOP? Do I need to let you know where we are going to start on Tuesday morning so that someone can call and get the information we need to get into the parcels?

JD

On 12/3/2018 1:21 PM, Alejandro, Nicholas wrote:

Mike,

As we discussed last week, UL would prefer LCRA or the surveyors contact the grazing lessees before the surveys begin. See the attached map showing the line segments and boundaries of the two grazing leases. The contact for McKenzie L&L is Sarah McKenzie (915-637-3845) and Neill Woodward (432-290-2237) is the other lessee. Be sure to call them before any survey begins.

Should have any question or concerns, let me know.

Thanks,

Nick Alejandro | Landman-Surface | University Lands

P.O. Box 553 Midland, Texas 79702 | 704 W. Dengar Midland, TX 79705

Main: 432.684.4404 | Direct: 432.686.4752 | Cell: 830.889.4335

| <http://www.utlands.utsystem.edu>

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-2

Page 125 of 137



UNIVERSITY LANDS

From: Mike Smith <Mike.Smith@LCRA.ORG>

Sent: Wednesday, November 28, 2018 12:25 PM

To: John Dockall <jdockall@paiarch.com>

Cc: Charlotte Dotson <Charlotte.Dotson@LCRA.ORG>; Alejandro, Nicholas <nalejandro@utsystem.edu>

Subject: FW: Contact

**** External Mail ****

John,

Our land agent, Charlotte, has already sent letters to the various tenants informing them of the work we'll be doing in general. For specific visitations, however, if Nick doesn't mind contacting the lessees, that's fine with us. Or, since your schedule and locations will likely vary based on day-to-day progress, it may be easier for you to contact the lessee directly (unless Nick has any objection). To that end, I'm forwarding the lessee information for University Lands, which Nick provided.

We're also attempting to get the contact information for the surveying crew (SAM Inc.) who are and/or have been out there, just in case they may be able to help you with any specific access/logistical information on the ground. I'll let you know when I hear back from them.

Thanks,
Mike

From: Charlotte Dotson

Sent: Wednesday, November 28, 2018 10:49 AM

To: Mike Smith <Mike.Smith@LCRA.ORG>

Subject: FW: Contact

The last attachment is the complete packet sent by Nick. The first two attachment are the parcels that been sent notification letters.

Charlotte Dotson SR/WA

Right of Way Agent, Sr.

Lower Colorado River Authority

P.O Box 220 | MS D140 | Austin, Texas 78767
O:512.578.4566 | M: 512.924.9537 | F: 512.578.4193

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 126 of 137

--

John E. Dockall, Ph.D., RPA
PA, PI, PM, Lithic Analyst
Prewitt and Associates, Inc.
2105 Donley Drive, Suite 400
Austin, Texas 78758

tel: 512-459-3349, ext. 209
fax: 512-459-3851

<https://www.linkedin.com>
[http://figshare.com/authors/John Dockall/606536](http://figshare.com/authors/John_Dockall/606536)
<http://paiarch.academia.edu/JohnDockall>

"Every society needs sacred places.
A society that cannot remember its past,
and honor it, is in peril of losing its soul."
~Vine Deloria, Jr., Lakota scholar

--

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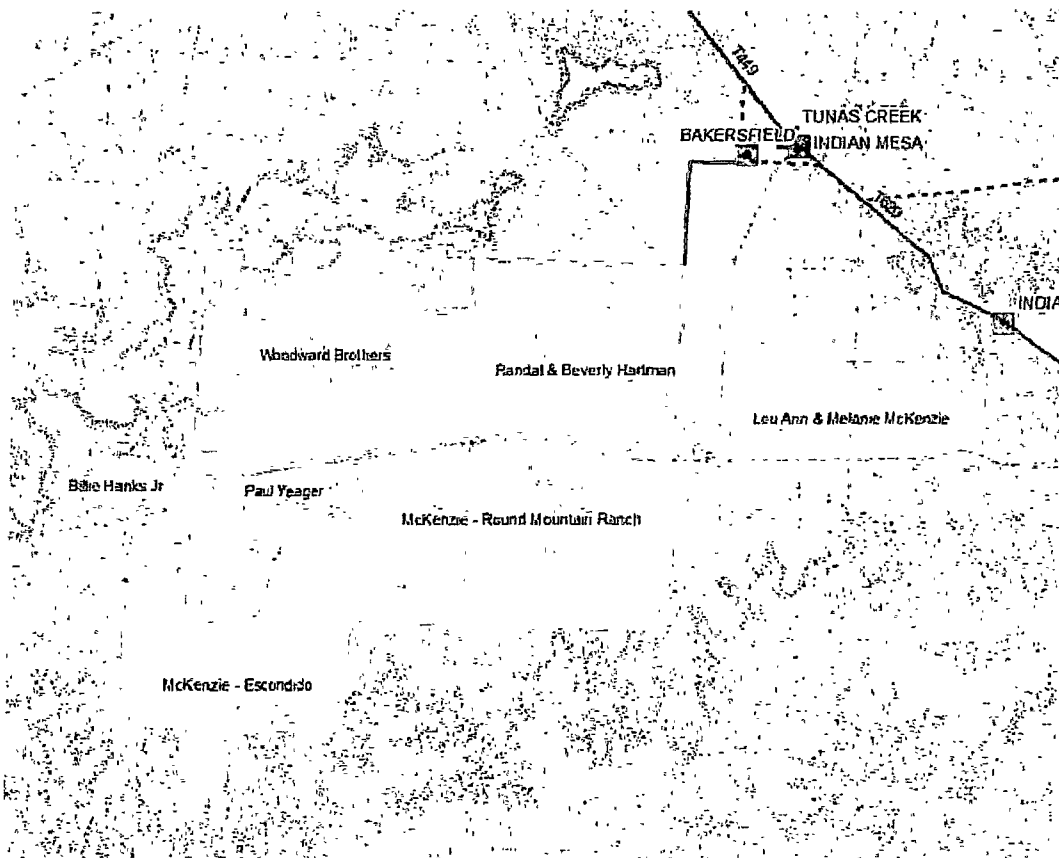
Sonya Strambler

From: Mike Smith
Sent: Monday, December 03, 2018 1:28 PM
To: 'Alejandro, Nicholas'
Subject: RE: Contact

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 127 of 137

Perfect, thanks. And this is what I have for the eastern block. Does that look correct? (I'm assuming the Hanks and Yeager tracts will not be affected, but I added them to the map for orientation.) I'll be sending this to AmaTerra. I haven't yet heard from them about when they're thinking about getting out there, but I'll make sure they contact the lessees before they begin fieldwork.

Thanks again for the help.



From: Alejandro, Nicholas [mailto:nalejandro@utsystem.edu]
Sent: Monday, December 03, 2018 1:21 PM
To: Mike Smith <Mike.Smith@LCRA.ORG>; John Dockall <jdockall@paiarch.com>
Cc: Charlotte Dotson <Charlotte.Dotson@LCRA.ORG>; Lundgren, Gregory <glundgren@utsystem.edu>
Subject: RE: Contact

From an external source. Think before you click.

Mike,

As we discussed last week, UL would prefer LCRA or the surveyors contact the grazing lessees before the surveys begin. See the attached map showing the line segments and boundaries of the two grazing leases. The contact for McKenzie

L&L is Sarah McKenzie (915-637-3845) and Neill Woodward (432-290-2237) is the other lessee. Be sure to call them before any survey begins.

Should have any question or concerns, let me know.

Thanks,

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-2

Page 128 of 137

Nick Alejandro | Landman-Surface | University Lands

P.O. Box 553 Midland, Texas 79702 | 704 W. Dengar Midland, TX 79705

Main: 432.684.4404 | Direct: 432.686.4752 | Cell: 830.889.4335 | <http://www.utlands.utsystem.edu>



UNIVERSITY LANDS

From: Mike Smith <Mike.Smith@LCRA.ORG>

Sent: Wednesday, November 28, 2018 12:25 PM

To: John Dockall <jdockall@paiarch.com>

Cc: Charlotte Dotson <Charlotte.Dotson@LCRA.ORG>; Alejandro, Nicholas <nalejandro@utsystem.edu>

Subject: FW: Contact

**** External Mail ****

John,

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Thanks,
Mike

From: Charlotte Dotson

Sent: Wednesday, November 28, 2018 10:49 AM

To: Mike Smith <Mike.Smith@LCRA.ORG>

Subject: FW: Contact

The last attachment is the complete packet sent by Nick. The first two attachment are the parcels that been sent notification letters.

Charlotte Dotson SR/WA

Right of Way Agent, Sr.
Lower Colorado River Authority
P.O. Box 220 | MS D140 | Austin, Texas 78767
T: 512.578.4566 | M: 512.924.9537 | F: 512.578.4193

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 129 of 137

Sonya Strambler

From:	Alejandro, Nicholas <nalejandro@utsystem.edu>	SOAH Docket No. 473-19-1265
Sent:	Monday, December 03, 2018 1:21 PM	PUC Docket No. 48785
To:	Mike Smith; John Dockall	Attachment Staff 1-2
Cc:	Charlotte Dotson; Lundgren, Gregory	Page 130 of 137
Subject:	RE: Contact	
Attachments:	Pecos CO..jpg	

From an external source - think before you click

Mike,

As we discussed last week, UL would prefer LCRA or the surveyors contact the grazing lessees before the surveys begin. See the attached map showing the line segments and boundaries of the two grazing leases. The contact for McKenzie L&L is Sarah McKenzie (915-637-3845) and Neill Woodward (432-290-2237) is the other lessee. Be sure to call them before any survey begins.

Should have any question or concerns, let me know.

Thanks,

Nick Alejandro | Landman-Surface | University Lands

P.O. Box 553 Midland, Texas 79702 | 704 W. Dengar Midland, TX 79705

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To: John Dockall <jdockall@paiarch.com>

Cc: Charlotte Dotson <Charlotte.Dotson@LCRA.ORG>; Alejandro, Nicholas <nalejandro@utsystem.edu>

Subject: FW: Contact

**** External Mail ****

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Thanks,
Mike

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-2

Page 131 of 137

From: Charlotte Dotson

Sent: Wednesday, November 28, 2018 10:49 AM

To: Mike Smith <Mike.Smith@LCRA.ORG>

Subject: FW: Contact

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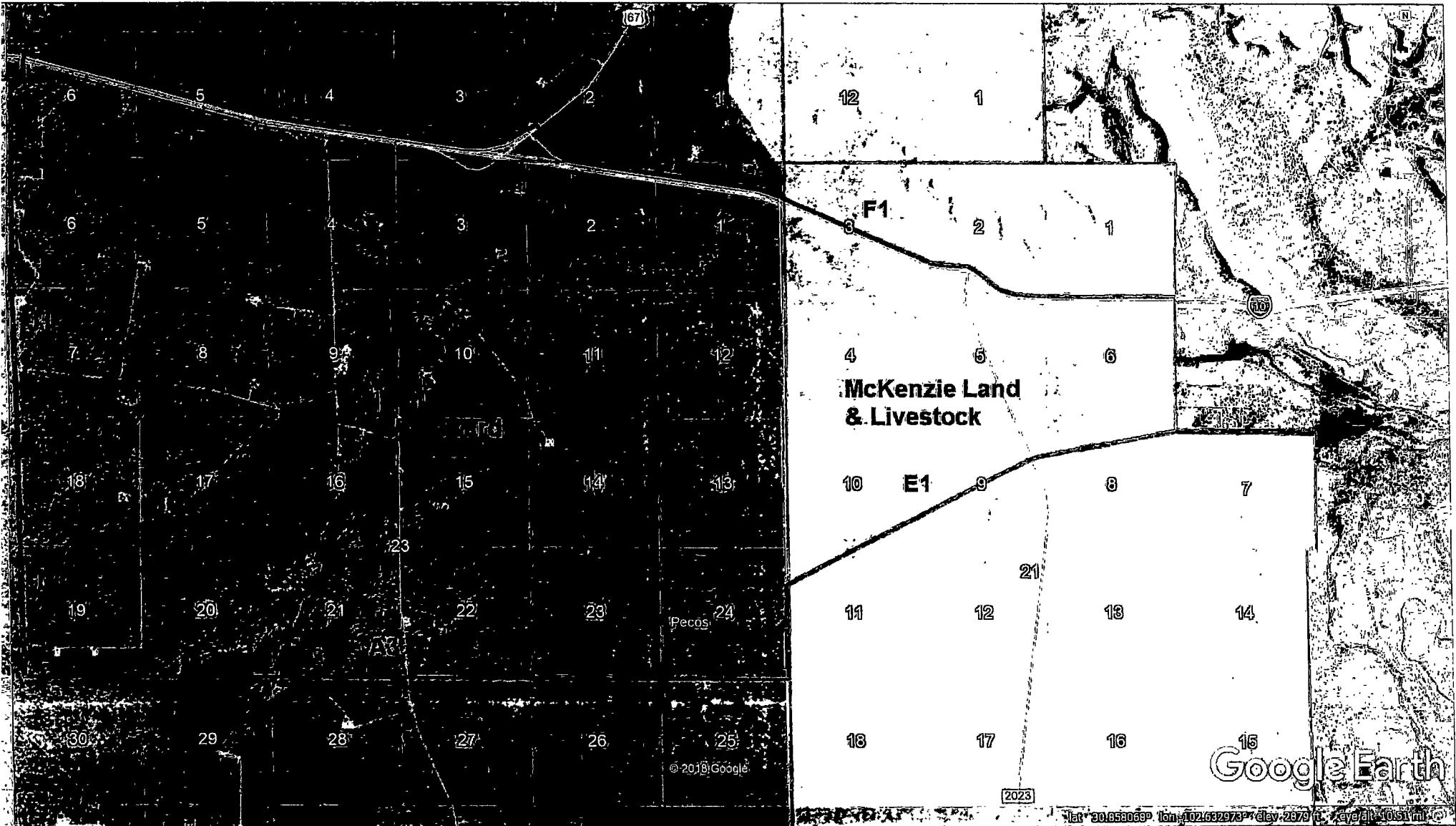
Charlotte Dotson SR/WA

Right of Way Agent, Sr.

Lower Colorado River Authority

P.O. Box 220 | MS D140 | Austin, Texas 78767

C: 512.578.4566 | M: 512.924.9537 | F: 512.578.4193



Sonya Strambler

From:	Alejandro, Nicholas <nalejandro@utsystem.edu>	SOAH Docket No. 473-19-1265
Sent:	Friday, November 30, 2018 12:32 PM	PUC Docket No. 48785
To:	Mike Smith; John Dockall	Attachment Staff 1-2
Cc:	Charlotte Dotson	Page 133 of 137
Subject:	RE: Contact	

From an external source - Think before you click.

Mike,

If you would, please give me a call when you get the chance.

Thanks,

Nick Alejandro | Landman-Surface | University Lands

P.O. Box 553 Midland, Texas 79702 | 704 W. Dengar Midland, TX 79705

Main: 432.684.4404 | Direct: 432.686.4752 | Cell: 830.889.4335 | <http://www.utlands.utsystem.edu>



UNIVERSITY LANDS

From: Mike Smith <Mike.Smith@LCRA.ORG>
Sent: Wednesday, November 28, 2018 12:25 PM
To: John Dockall <jdockall@paiarch.com>
Cc: Charlotte Dotson <Charlotte.Dotson@LCRA.ORG>; Alejandro, Nicholas <nalejandro@utsystem.edu>
Subject: FW: Contact

**** External Mail ****

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Thanks,
Mike

From: Charlotte Dotson

Sent: Wednesday, November 28, 2018 10:49 AM

To: Mike Smith <Mike.Smith@LCRA.ORG>

Subject: FW: Contact

The last attachment is the complete packet sent by Nick. The first two attachment are the parcels that been sent notification letters.

Charlotte Dotson SRWA

Right of Way Agent, Sr.

Lower Colorado River Authority

P.O. Box 220 | MS D140 | Austin, Texas 78767

C: 512.578.4566 | M: 512.924.9537 | F: 512.578.4193

Sonya Strambler

From: Alejandro, Nicholas <nalejandro@utsystem.edu>
Sent: Monday, November 12, 2018 10:17 AM
To: Mike Smith
Cc: Lundgren, Gregory
Subject: RE: University Lands cultural resources survey
Attachments: University Lands Archeological Survey Procedure_For Website.pdf

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-2
Page 135 of 137

From an external source - Think before you click

Mike,

You are correct. University Lands will need to sign the antiquities permit applications as the landowner. I've listed the name and contact information that you will need to include on the applications below. I don't have any issue with LCRA submitting two permit applications or utilizing two separate contractors. Therefore, once the applications are completed, feel free to submit them to Ashley King (aking@utsystem.edu) and copy me on the email. Be sure to include the include the Scope-of-Work for each permit when you submit the applications to UL.

Owner: University Lands
Representative: Joe Petersen- Surface Interests Manager
Address: 704 W. Dengar Ave.
City/State/Zip: Midland, Texas 79705
Telephone: 432-684-4404 Email: Joe.petersen@utsystem.edu

If you have any questions or need anything else at this time, let me know.

Thanks,

Nick Alejandro | Landman-Surface | University Lands

P.O. Box 553 Midland, Texas 79702 | 704 W. Dengar Midland, TX 79705
Main: 432.684.4404 | Direct: 432.686.4752 | Cell: 830.889.4335 | <http://www.utlands.utsystem.edu>



UNIVERSITY LANDS

From: Mike Smith <Mike.Smith@LCRA.ORG>
Sent: Thursday, November 8, 2018 2:13 PM
To: Alejandro, Nicholas <nalejandro@utsystem.edu>
Subject: University Lands cultural resources survey

**** External Mail ****

Hello Nick,

If possible, we're hoping to get the cultural resources surveys on University Lands started in the next month or so, and I just wanted to check: University Lands will be signing the antiquities permit as the Landowner, correct? If so, do you have the name of a signatory and contact information that we can include in the applications? We will be using two different contractors for the western and eastern blocks, so each will be submitting a permit for their section. Will that work for you? Please let me know if you have any concerns or need additional information.

Thanks,

Mike Smith, Ph.D.

Lower Colorado River Authority | Archeologist Sr
O 512-578-4487 C 512-342-2363 F 512-578-4193
mike.smith@lcra.org

Enhancing the Lives of Texans

University Lands Archeological Survey Procedure

- Prior to any archeological survey, companies must contact University Lands' (UL) Surface Department for route or location approval.
- Once approved, the archeological survey company must complete and submit a Texas Antiquities Permit Application from the Texas Historical Commission (THC) and include a project map and Scope of Work (SOW) to UL.
- The permit will be reviewed and if the application is complete and the route is approved then UL will sign the application. The signed permit application will be returned to the survey company so that it can be submitted to the THC for approval.
- Once the THC approves the permit and assigns a project number, a copy of the permit approval letter must be submitted to UL and field work may commence.
- Upon completion of field survey and subsequent written report, survey company must submit the report to UL for a third party review. The reviewed report will be returned to the survey company so that suggested modifications or edits may be addressed.
- The UL-approved survey report may be submitted to the THC for final approval. Once approved, a copy of the THC concurrence letter must be submitted to UL.
- Upon receiving the THC concurrence letter and final approval from the UL Surface Representative, companies may submit easement applications, survey plats, and shape files to UL Right-of-Way Department.

**SOAH DOCKET NO. 473-19-1265
PUC DOCKET NO. 48785**

JOINT APPLICATION OF ONCOR	§	
ELECTRIC DELIVERY COMPANY LLC,	§	
AEP TEXAS INC., AND LCRA	§	
TRANSMISSION SERVICES	§	BEFORE THE STATE OFFICE
CORPORATION TO AMEND THEIR	§	
CERTIFICATES OF CONVENIENCE	§	OF
AND NECESSITY FOR 345-KV	§	
TRANSMISSION LINES IN PECOS,	§	ADMINISTRATIVE HEARINGS
REEVES, AND WARD COUNTIES,	§	
TEXAS (SAND LAKE TO SOLSTICE	§	
AND BAKERSFIELD TO SOLSTICE)	§	

**LCRA TRANSMISSION SERVICES CORPORATION AND AEP TEXAS, INC'S
RESPONSE TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION**

Question No. 1-3:

Please refer to the Texas Department of Transportation's (TxDot's) February 1, 2018 letter to Ms. Lisa Barko Meaux included in Appendix A to the Environmental Assessment for the Bakersfield to Solstice line. Specifically, please refer to TxDot's statement that its "right of way contains ecologically sensitive areas, labeled with 'non mow area' signs in the field, on US 67 approximately 6 miles north of IH 10, and on SH 18 approximately 10 miles north of Fort Stockton. These areas should be avoided."

- a. Has TxDot or another entity provided additional information regarding these ecologically sensitive area? If so, please provide copies of this information.
- b. Are LCRA or AEP aware of what specifically makes these areas ecologically sensitive? If so, please explain.
- c. Which particular segments of the alternative routes, if any, cross these areas?

Response No. 1-3:

- a) Yes. Please refer to Appendix A of the Environmental Assessment. A letter from Texas Parks and Wildlife Department (TPWD) dated March 9, 2018 mentions the conservation easement (Diamond Y Macrosite Easement) along SH 18 on page 2. The letter also refers to the maps that are attached to the letter indicating the location of the easement and the designated critical habitat (Managed Areas and Conservation Easement, Texas Natural Diversity Database (TXNDD), and USFWS Designated Critical Habitat).

No entity provided information regarding the ecologically sensitive area along US 67.

- b) A review of data obtained from the TXNDD (2018) identifies elements of occurrence (EO) records for three plant species of concern on US 67 approximately 6 miles north of IH 10. Additionally, nine EO records on SH 18 approximately 10 miles north of Fort Stockton, as shown below. The EO records are identified in Attachment Staff 1-3.

US 67 approximately 6 miles north of IH 10

EO Record #10668 - Bigelow's desert grass (*Blepharidachne bigelovii*)

EO Record #6015 - Wright's water-willow (*Justicia wrightii*)

EO Record #7742 - Tharp's blue-star (*Amsonia tharpit*)

SH 18 approximately 10 miles north of Fort Stockton

EO Record # 3923 - Alkali Broomspurge (*Chamaesyce astyla*)

EO Record # 7991 - Pecos River muskrat (*Ondatra zibethicus ripensis*)

EO Record # 14137 - American Hog-nosed Skunk (*Conepatus leuconotus*)

EO Record # 3951 - Correll's Green Pitaya (*Echinocereus viridiflorus* var. *correllii*)

EO Record # 9679 - Gonzales Springsnail (*Tryonia circumstriata*)

EO Record # 6308 - Diamond Y springsnail (*Pecos gambusia*)

EO Record # 1893 - Pecos gambusia (*Gambusia nobilis*)

EO Record # 6711 - Pecos Sunflower (*Helianthus paradoxus*)

EO Record # 13123 - Roundnose Minnow (*Dionda episcopa*)

Please see also Section 2.2.5 of the EA.

- c) No structures are proposed to be located within the area identified above. In addition, no proposed route segments cross these TxDOT ecologically sensitive areas.

Co-Prepared By: Lisa Barko Meaux

Co-Prepared By: David Morgan

Title: Project Manager, POWER Engineers, Inc.

Title: Area Land Biologist, POWER Engineers, Inc.

Sponsored By: Lisa Barko Meaux

Title: Project Manager, POWER Engineers, Inc.

Element Occurrence Record

Scientific Name: *Acleisanthes acutifolia*

Occurrence #: 2 **Eo Id:** 10412

Common Name: Havard trumpets

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G3

State Rank: S1

Federal Status:

Location Information:

Directions

Leon Springs, W of Ft. Stockton.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 1 of 107

Survey Information:

First Observation: no date

Survey Date:

Last Observation: no date

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General None provided on label.

Description:

Comments: Complete specimen citation: Leon Springs, W of Fort Stockton, Bigelow 1127 (GH, NY US per Smith, 1976). Lit. cit.: Smith, J. M. 1976. A taxonomic study of *Acleisanthes* (Nyctaginaceae). *Wrightia* 5: 261-276.

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

Reference:

Citation:

Bigelow. No date. Specimen No. none. Gray Herbarium.

Specimen:

Bigelow. No date. Specimen No. none. Gray Herbarium. (SNDBIGGHTXUS)

Element Occurrence Record

Scientific Name: *Acleisanthes wrightii*

Occurrence #: 1 Eo Id: 5584

Common Name: Wright's trumpets

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2 State Rank: S2

Federal Status:

Location Information:

SOAH Docket No. 473-19-1265

Directions

PUC Docket No. 48785

3 MILES WEST OF FORT STOCKTON ON INTERSTATE HWY 10. ROCKY GRAVELLY SOIL BY ROADSIDE.

Attachment Staff 1-3

Page 2 of 107

Survey Information:

First Observation: 1974

Survey Date:

Last Observation: 1974-05-22

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Specimen:

University of Texas at Austin Herbarium. 1974. J. Smith #102, Specimen # none TEX-LL. 22 May 1974.

Element Occurrence Record

Scientific Name: *Acleisanthes wrightii*

Occurrence #: 2 Eo Id: 2648

Common Name: Wright's trumpets

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2

State Rank: S2

Federal Status:

Location Information:

SOAH Docket No. 473-19-1265

Directions

Barrilla Hills, 20 and 2/3 miles E of Balmorhea.

PUC Docket No. 48785

Attachment Staff 1-3

Page 3 of 107

Survey Information:

First Observation: 1942

Survey Date:

Last Observation: 1942-09-28

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

Reference:

Citation:

Specimen:

University of Texas at Austin Herbarium. 1942. V.L. Cory #40521, Specimen # 54686 TEX. 28 September 1942.

Element Occurrence Record

Scientific Name: *Acleisanthes wrightii*

Occurrence #: 7 Eo Id: 2225

Common Name: Wright's trumpets

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2

State Rank: S2

Federal Status:

Location Information:

Directions

21 MILES EAST OF FORT STOCKTON

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 4 of 107

Survey Information:

First Observation: 1942

Survey Date:

Last Observation: 1942-09-25

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Specimen:

Texas A & M University Herbarium. 1942. V.L. Cory #40262, Specimen # 98569 AM. 25 September 1942.

Element Occurrence Record

Scientific Name: *Acleisanthes wrightii*

Occurrence #: 10 Eo Id: 1950

Common Name: Wright's trumpets

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2

State Rank: S2

Federal Status:

Location Information:

Directions

24 MILES SOUTHWEST OF FORT STOCKTON ALONG HIGHWAY 67 (VIA IH-10)

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 5 of 107

Survey Information:

First Observation: 1999-07-13

Survey Date:

Last Observation: 1999-07-13

Eo Type:

Eo Rank: E

Eo Rank Date: 1999-07-13

Observed Area:

Comments:

General SHALLOW LIMESTONE SOILS

Description:

Comments: COMPLETE SPECIMEN CITATION: 24 MILES SOUTHWEST OF FORT STOCKTON ALONG HIGHWAY 67 (VIA IH-10), SHALLOW LIMESTONE SOILS, 13 JULY 1999, B.L. TURNER 99-439 (TEX-LL)

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Specimen:

UNIVERSITY OF TEXAS AT AUSTIN HERBARIUM. 1999. B.L. TURNER #99-439, SPECIMEN # NONE TEX-LL. 13 JULY 1999.

Element Occurrence Record

Scientific Name:	Acleisanthes wrightii	Occurrence #:	12	Eo Id:	12397
Common Name:	Wright's trumpets	Track Status:	Track all extant and selected historical EOs		
Identification Confirmed:	Y - Yes	TX Protection Status:			
Global Rank:	G2	State Rank:	S2	Federal Status:	

Location Information:

Directions

Diamond Y Spring Preserve. Detected at 4 sites (stops 2, 4, 10 and 12 in bestsource report) during Sep 2004 survey; the seeming isolation / distinction of these sites is merely an artifact of limited field time. Directions for the 4 sites (A-D) are: A) W side of main N-S road on W side of preserve N of Leon Creek, on valley flat along the upper part of a finger of Diamond Y Draw, at N31o01'42.4", W102o55'15.9" (stop 2 in Sep 2004 report). B) SE side of same road but to the NE on a limestone upland at N31o02'36.6", W102o54'26.8" (stop 4 in 2004 report). C) Both sides of a main road leading SW from house on N part of preserve, on limestone upland at N31o01'35.2", W102o54'21.6"; N31o01'35.7", W102o54'22.7"; N31o01'36.9", W102o54'24.3"; N31o01'40.9", W102o54'21.7"; N31o01'35.8", W102o54'21.5"; N31o01'36.3", W102o54'21.0"; and N31o01'35.6", W102o54'20.5" (stop 10 in Sep 2004 report). D) At "Y" fork in road just inside South Gate; polygon-defining GPS points include N30o59'56.5", W102o55'10.3"; N30o59'56.8", W102o55'10.2"; N30o59'55.5", W102o55'10.9"; N30o59'55.3", W102o55'11.0"; N30o59'54.3", W102o55'09.3"; N30o59'53.6", W102o55'09.2"; N30o59'53.4", W102o55'09.2"; N30o59'53.4", W102o55'09.6"; N30o59'53.5", W102o55'10.7"; N30o59'52.7", W102o55'11.4"; and N30o59'52.8", W102o55'11.1" (Stop 12 in Sep 2004 report).

Survey Information:

First Observation:	2004-09-25	Survey Date:	2004-09-26	Last Observation:	2004-09-26
Eo Type:		Eo Rank:	A	Eo Rank Date:	2006-03-09

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 6 of 107

Data:

EO Data: 2004: Area A (stop 2 in Sep 2004 report): 2 individuals observed on 25 Sep 2004, both with chasmogamous flowers. Area B (Stop 4 in Sep 2004 report): 3 individuals observed on 25 Sep 2004, one with chasmogamous flowers. Area C (stop 10 in Sep 2004 report): 50-60 60 individuals observed on 26 Sep 2004, some with chasmogamous flowers, some with fruit. Area D (stop 12 in Sep 2004 report): 63 individuals observed on 26 Sep 2004, some with chasmogamous flowers, some with fruit.

Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:

Element Occurrence Record

Reference:

Citation:

Carr, W. R. 2004. A botanical survey of the expanded Diamond Y Spring Preserve, Pecos County, Texas, 25-26 September 2004. Unpublished report, The Nature Conservancy of Texas, San Antonio.

Carr, W.R. and D.L. Benesh (23559, 23561, 23599). 2004. TEX-LL.

Specimen:

Carr, W.R. and D.L. Benesh (23559, 23561, 23599). 2004. TEX-LL.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 7 of 107

Element Occurrence Record

Scientific Name: Agalinis calycina **Occurrence #:** 1 **Eo Id:** 7230
Common Name: Leoncita false foxglove **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G1 **State Rank:** S1 **Federal Status:**

Location Information:

Directions

Leoncita Springs.

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 8 of 107

Survey Information:

First Observation: 18?? **Survey Date:** **Last Observation:** 18??
Eo Type: **Eo Rank:** U **Eo Rank Date:** 2006-12-12
Observed Area:

Comments:

General Description:

Comments: See EMF for W.R. Carr/Jackie Poole memo regarding uncertainty about location: Leoncita Spring, Brewster Co.
or Leon Springs, Pecos Co.

Protection Comments:

Management Comments:

Data:

EO Data:

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Pennell, F. W. 1929. Agalinis and allies in North America, II. Proceedings of the Academy of Natural Sciences of Philadelphia 81:111-249.

Specimen:

Element Occurrence Record

Scientific Name: Agalinis calycina

Occurrence #: 2

Eo Id: 8560

Common Name: Leoncita false foxglove

Track Status: Track all extant and selected historical EOs

Identification Confirmed:

TX Protection Status:

Global Rank: G1

State Rank: S1

Federal Status:

Location Information:

SOAH Docket No. 473-19-1265

Directions

PUC Docket No. 48785

Attachment Staff 1-3

Page 9 of 107

Survey Information:

First Observation:

Survey Date:

Last Observation:

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

Reference:

Citation:

Specimen:

Element Occurrence Record

Scientific Name: *Agalinis calycina* **Occurrence #:** 3 **Eo Id:** 10804
Common Name: Leoncita false foxglove **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G1 **State Rank:** S1 **Federal Status:**

Location Information:

Directions

Two locations on Diamond Y Spring Preserve. Suboccurrence A: large population on hydric soils on banks, lowest terrace and upslope seeps along S side of Leon Creek and N side of Diamond Y Draw just upstream from (W of) the confluence of the two streams, from GPS point N31o00789, W102o92040 (31o00'28"N, 102o55'13"W) (on Leon Creek) E to 31o00766, 102o91953 (31o00'27"N, 102o55'10"W) (near confluence) and back SW to (along Diamond Y Draw) to a point not taken. Suboccurrence B: small population along both banks of Diamond Y Draw ca. 300-500 ft. N of Diamond Y Spring, ca. 40-150 ft. N of hydrologic station (vertical large-diameter green pipe on W bank and tin-covered "bridge" covering equipment in creek), from GPS point N31o00.116', W102o55.410' (31o00'07"N, 102o55'25"W) +/- 14.8 ft to GPS point N31o00.131', W102o55.412' (31o00'08"N, 102o55'25"W) +/- 12.6 ft.

Survey Information:

First Observation: 2001-08-30 **Survey Date:** 2001-09-26 **Last Observation:** 2001-09-26
Eo Type: **Eo Rank:** A **Eo Rank Date:** 2006-03-09
Observed Area:

Comments:

General On hydric, at least somewhat saline alluvial soils on banks, lowest terraces and upslope seeps along two
Description: perennial, spring fed desert streams. Agalinis plants sometimes lining stream bank (where bank well defined) a few inches above normal stream level, a few inches upslope from band of *Scirpus* sp. which occupies most of streambed and a few inches downslope from *Sporobolus wrightii* - *Distichlis spicata* grassland that occupies broader floodplain. In other areas Agalinis occurs in marshy, poorly defined seep zones at some distance from the streams. It also occupies what appear to be cattle trails that serve as outflow channels for such seep zones. Associates include *Helianthus paradoxus* (abundant), *Flaveria chlorifolia* (very common), *Eustoma exaltatum*, *Samolus ebracteatus*, *Juncus* sp., *Nesaea longipes*.

Comments:

Protection Comments:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Management Comments:

Attachment Staff 1-3

Page 10 of 107

Data:

EO Data: 2001-09-26: thousands of plants observed in larger population just W of confluence of the two streams.
2001-08-30: E side of creek, ca. 40-90 ft. N of (downstream from) tin "bridge" at hydrologic study station, from GPS point N31o00.116', W102o55.410' +/- 14.8 ft. (S tip) to [GPS point not collected]; 40 stems in this stretch. W side of creek, ca. 40-150 ft. N of (downstream from) tin "bridge" at hydrologic study station, from GPS point N31o00.117', W102o55.411' +/- 15.3 ft. (opposite S tip of cluster on E bank) N to GPS point N31o00.131', W102o55.412' +/- 12.6 ft.; 21 stems on this side of creek. Total of 61 stems, only a few in early flower and only a few in bud. Flowering stems between 2 to 3 ft. tall.

Element Occurrence Record

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

CARR, W.R. 2001. NOTES ON RARE PLANT SPECIES AT DIAMOND Y SPRING PRESERVE, PECOS COUNTY, TEXAS. OCTOBER 2001 DRAFT. UNPUBLISHED REPORT, THE NATURE CONSERVANCY OF TEXAS.

Carr, W. R. 2001. Notes on two other rare plant species at Diamond Y Spring Preserve, Pecos County, Texas. Unpublished report. The Nature Conservancy of Texas, 4 September 2001. 6 pp.

Specimen:

Carr, W.R. (20047). 2001. TEX-LL. (S01CARTXTXUS)

Carr, W.R., D. Benesh, J. Karges, & J. Poole (20163). 2001. TEX-LL. (S01CARTXTXUS)

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 11 of 107

Element Occurrence Record

Scientific Name: *Amsonia tharpaii* **Occurrence #:** 1 **Eo Id:** 7742
Common Name: Tharp's blue-star **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G1 **State Rank:** S1 **Federal Status:**

Location Information:

SOAH Docket No. 473-19-1265

Directions

PUC Docket No. 48785

Attachment Staff 1-3

Approx. 5.7 miles NE of the junction of IH-10 and US 67/385, McCamey turnoff; 1.2 miles SW of Dinosaur rest area.

Page 12 of 107

Survey Information:

First Observation: 1943-06-21 **Survey Date:** 2016-04-08 **Last Observation:** 2016-04-08
Eo Type: **Eo Rank:** E **Eo Rank Date:** 2016-04-08

Observed Area:

Comments:

General Description: Site is an unshaded nearly level roadside which is ungrazed and mown twice a year making it essentially a short to midgrass grassland. The surrounding community is a transitional phase from Edwards Plateau woodland to Chihuahuan Desert shrubland. *Amsonia tharpaii* occurs in shallowest stony soils on slightly elevated portions of roadside, as well as deeper soils in drainage areas. Geology is cretaceous limestone and marl of the Washita Group. Soils are mapped as Lozier-Rock outcrop association, steep. Associated species were provided. 8 Apr 2016: Plants were observed on slopes/flats of a gravelly white limestone hill or butte. The white limestone layer was just below a more pinkish limestone layer.

Comments: In Rowell's 1983 status report (pg 5 and 6), he states that plants were observed for 0.5 - 0.75 mile inwards (east) from Hwy 67. Specific label information for Rowell's specimens needs to be obtained from Angelo State University Herbarium. Desert Botanical Garden had *Amsonia tharpaii* field collected seeds and plants in cultivation for the following years: 1991 - 600 seeds, 2 plants; 1993, 1994 - 623 seeds, 50 plants; 1995 - 600 seeds, 45 plants; 1996 - 623 seeds, 37 plants. Horticultural work, observations, and research results are discussed in the yearly Desert Botanical Garden reports. As of March 2010, the reference (Poole, 1986) supporting the 1986 data was missing from TXNDD files.

Protection

Comments:

Management Comments: In the mid-1990s TPWD and TxDOT developed a management plan for this site (see the associated references). 8 Apr 2016: Plants on UT Lands (Berry Lease) are in an enclosure to protect *A. tharpaii* from cattle grazing, although grazing is likely not much of a threat.

Data:

EO Data: 21 June 1943, 19 Apr 1946, and 24, 27 April 1947: Specimens were collected. 18 April 1981: Several hundred plants were observed and a specimen collected. 10 May 1981: A specimen was collected. 13 June 1986: 44 individuals were counted at a single site. Most plants were mature and in flower. 27 May 1992: A total of 50 plants with a total of 428 reproductive structures were observed at 3 sites. 19 May 1993: A total of 48 plants with a total of 9 reproductive structures were observed at 3 sites. 11 May 1994: A total of 52 plants with a total of 176 reproductive structures were observed at 3 sites. 3 May 1995: A total of 51 plants with a total of 749 reproductive structures were observed at 3 sites. 19 June 1998: Approx. 125 plants were observed at 2 sites. Two plants were in fruit; fruits were immature. 9 Apr 2003: Approx. 18 plants were observed at a single site. 8 Apr 2016: 18 mature plants in excellent vigor were observed at six sites. Eleven plants were flowering; 7 were non-reproductive.

Element Occurrence Record

Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:

Reference:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 13 of 107

Citation:

Carr, W. R. 1992. Highway right-of-way survey of 27 May 1992, along US Highway 67 in Irion and Pecos counties, Texas.

Poole, Jackie M. and G. K. Janssen. 1993. Project No. 35: Assessment and management plan development for listed and category plants on Texas Department of Highways and Public Transportation rights-of-way. Grant No.: E-1-5. Submitted to Texas Parks & Wildlife Dept., Austin, TX. 15 November 1993.

Poole, Jackie M. and G. K. Janssen. 1994. Grant No. E-1-6, Project No. 65: Assessment and management plan development for listed and category plants on Texas Department of Highways and Public Transportation rights-of-way. Texas Parks and Wildlife Department, Austin. 15 November 1994.

Poole, Jackie M. and G. K. Janssen. 1997. Final Report Project 35: Managing and monitoring rare and endangered plants on highway right-of-ways in Texas. Grant Number E-1-6. Submitted to Texas Parks & Wildlife Dept., Austin, TX. 31 January 1997.

Slauson, Liz and Kathleen C. Rice. 1999. Conservation seedbanks of the rare plant species of the Lower Rio Grande Valley ecosystem. FWS Agreement No. 1488-00002-96-0855. Submitted to U.S. Fish and Wildlife Service, Austin Ecological Services Field Office, Austin, Texas. 16 February 1999.

McLaughlin, Steven P. 1982. A revision of the southwestern species of *Amsonia* (Apocynaceae). *Annals of the Missouri Botanical Garden* 69(2):336-350.

Pritchett-Kozak, Lynda. 1993. Desert Botanical Garden 1993 annual report on the Center for Plant Conservation National Collection. 97 pp. December 1993.

Rice, Kathleen C., L. Pritchett-Kozak, and L. Slauson. 1994. Desert Botanical Garden 1994 annual report on the Center for Plant Conservation National Collection. 75 pp. December 1994.

Rice, Kathleen C. 1995. Desert Botanical Garden 1995 annual report on the Center for Plant Conservation National Collection. 61 pp. December 1995.

Poole, J. 1986. Field survey to Big Mesa, 13 June 1986.

Poole, Jackie M. and G. K. Corlies. 1992. Project No: E-1-4. Job No. 35: Assessment and Management Plan Development for Listed and Category Plants on Texas Department of Highways Lands. Texas Parks and Wildlife Dept. Section 6 Study. 30 November 1992.

Ecker, Liz S. and L. Pritchett-Kozak. 1991. Desert Botanical Garden 1991 annual report on the Center for Plant Conservation National Collection. December 1991.

Strong, A. W. 2016. Field survey for *Amsonia tharpaii* on University of Texas Lands property in Pecos County of 08 April 2016.

Dolloff, Joel M. 1987. Anatomy of *Amsonia tharpaii*. 25 April 1987.

Poole, Jackie M. and G. K. Corlies. 1992. Multiple years (1992-1995) of monitoring data for *Amsonia tharpaii* at the Big Mesa site on US 67, Pecos County, TX.

Rice, Kathleen C. 1996. Desert Botanical Garden 1996 annual report on the Center for Plant Conservation National Collection. December 1996.

Rare Plant Study Center, University of Texas at Austin. 1977. Compilation of data regarding *Amsonia tharpaii*.

Rowell, C. M., Jr. 1983. Status report on *Amsonia tharpaii* Wood. Prepared for U.S. Fish and Wildlife Service, Region 2, Albuquerque, NM. 10 pp. 16 December 1983.

Element Occurrence Record

Specimen:

The Plant Resources Center, University of Texas, Austin, TX; B. H. Warnock (#46183), Accession #00372513 and 00372514, 19 Apr 1946, TEX. Isotype.

The Plant Resources Center, University of Texas, Austin, TX; A. M. Powell (#3585), Accession #00283152, 18 Apr 1981, TEX.

Sul Ross State University Herbarium, Alpine, TX; A. M. Powell (#3585), Accession #unknown, 18 Apr 1981, SRSC.

The Plant Resources Center, University of Texas, Austin, TX; V. L. Cory (#53490), Accession #00392571, 24 Apr 1947, LL.

Sul Ross State University Herbarium, Alpine, TX; V. L. Cory (#53490), Accession #unknown, 24 Apr 1947, SRSC.

Robert Bebb Herbarium, University of Oklahoma, Norman, OK; Barton H. Warnock (#46183), Accession #unknown, 19 Apr 1946, OKL.

Robert Bebb Herbarium, University of Oklahoma, Norman, OK; B. C. Tharp (#43508), Accession #unknown, 21 June 1943, OKL.

Missouri Botanical Garden Herbarium, St. Louis, MO; Barton H. Warnock (#46183), Accession #MO-100176, 19 Apr 1946, MO. Holotype.

Southern Methodist University Herbarium, Botanical Research Institute of Texas, Fort Worth, TX; B. C. Tharp (#43-508), Accession #unknown, 21 June 1943, SMU.

Southern Methodist University Herbarium, Botanical Research Institute of Texas, Fort Worth, TX; Barton H. Warnock (#5192), Accession #unknown, 27 Apr 1947, SMU.

Sul Ross State University Herbarium, Alpine, TX; Barton H. Warnock (#5192), Accession #unknown, 27 Apr 1947, SRSC.

The Plant Resources Center, University of Texas, Austin, TX; B. C. Tharp (#43-508), Accession #00392570, 21 June 1943, TEX.

The Plant Resources Center, University of Texas, Austin, TX; Barton H. Warnock (#5192), Accession #00392572, 27 Apr 1947, LL.

The Plant Resources Center, University of Texas, Austin, TX; Barton H. Warnock (#21631), Accession #00202325, 10 May 1981, TEX.

The Plant Resources Center, University of Texas, Austin, TX; B. L. Turner (#23-79), Accession #00408330, 9 Apr 2003, TEX.

Angelo State University Herbarium, San Angelo, TX; C. M. Rowell, Jr. (#s 16445, 16529A, 16549, 16555, and 16722), Accession #s unknown, unknown dates, SAT

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 14 of 107

Element Occurrence Record

Scientific Name: *Assiminea pecos* **Occurrence #:** 1 **Eo Id:** 6276
Common Name: Pecos assiminea snail **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** E
Global Rank: G1 **State Rank:** S1 **Federal Status:** LE

Location Information:

Directions

DIAMOND Y DRAW, FROM DIAMOND Y SPRING DOWNSTREAM APPROXIMATELY 1 MILE

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 15 of 107

Survey Information:

First Observation: 1981-05-05 **Survey Date:** **Last Observation:** 1993
Eo Type: **Eo Rank:** **Eo Rank Date:**
Observed Area:

Comments:

General FOUND ON MOIST EARTH BESIDE SEEPAGES OR SPRING-BROOKS, NEVER BESIDE STANDING WATER;
Description: OCCUR BENEATH SALTGRASS OR SEDGES, LESS OFTEN ON EXPOSED SURFACES

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: SPECIES TYPE (LACM 2088) COLLECTED BY D.W. TAYLOR, MAY 5, 1981; PARATYPES (UTEP 10051)

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Taylor, D.W. 1987. Fresh-water molluscs from New Mexico and vicinity. Bulletin 116. New Mexico Bureau of Mines & Mineral Resources. Socorro, N.M. 50 pp.

Brune, Gunnar. 1981. Springs of Texas. Volume I. Branch-Smith, Inc. Fort Worth, TX. 566 pp.

Fullington, Richard W. 1991. Mollusca survey of Texas Nature Conservancy Preserves: Diamond Y Springs and Independence Creek. Final Report, The Nature Conservancy of Texas, San Antonio, Texas. 7 pp.

Element Occurrence Record

Specimen:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 16 of 107

Element Occurrence Record

Scientific Name: *Blepharidachne bigelovii*

Occurrence #: 11 Eo Id: 10668

Common Name: Bigelow's desert grass

Track Status: Track all extant and selected historical EOs

Identification Confirmed:

TX Protection Status:

Global Rank: G3

State Rank: S3

Federal Status:

Location Information:

Directions

Along highway, 20-21 mi NE of Ft. Stockton toward McCamey.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 17 of 107

Survey Information:

First Observation: 1946-04-19

Survey Date:

Last Observation: 1947-04-27

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments: Based on two Warnock specimens: Abundant on low limestone hills 20 mi NE of Ft. Stockton toward McCamey, alt. 3450 ft., 27 Apr 1947, B. H. Warnock 5195 (TEX-LL); Frequent along highway on limestone hills, 21 mi NE of Ft. Stockton, 19 Apr 1946, B. H. Warnock 46198 (TEX-LL).

Protection

Comments:

Management

Comments:

Data:

EO Data: Described as frequent in 1946 and abundant in 1947.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Specimen:

Element Occurrence Record

B. H. Warnock 5195 (TEX-LL).

B. H. Warnock 46198 (TEX-LL).

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 18 of 107

Element Occurrence Record

Scientific Name: *Blepharidachne bigelovii*

Occurrence #: 12 Eo Id: 10669

Common Name: Bigelow's desert grass

Track Status: Track all extant and selected historical EOs

Identification Confirmed:

TX Protection Status:

Global Rank: G3

State Rank: S3

Federal Status:

Location Information:

Directions

16-17 mi E of Ft. Stockton.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 19 of 107

Survey Information:

First Observation: 1943-06-14

Survey Date:

Last Observation: 1943-07-26

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments: Based on two Tharp specimens: Low mesa slopes, 17 mi E of Ft. Stockton, 14 Jun 1943, B. C. Tharp 43A1 (TEX-LL); Lower mesa slopes along ridges, 16 mi E of Ft. Stockton, 26 Jul 1943, B. C. Tharp 43-499 (TEX-LL)..

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

Reference:

Citation:

Specimen:

B. C. Tharp 43A1 (TEX-LL)

B. C. Tharp 43-499 (TEX-LL)

Element Occurrence Record

Scientific Name: Conepatus leuconotus Occurrence #: 14 Eo Id: 12850
Common Name: Western hog-nosed skunk Track Status: Track all extant and selected historical EOs
Identification Confirmed: Y - Yes TX Protection Status:
Global Rank: G4 State Rank: S4 Federal Status:

Location Information:

Directions

The specimen label states that it was located 17 miles south of Fort Stockton.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 20 of 107

Survey Information:

First Observation: 1984-04-11 Survey Date: 1984-04-11 Last Observation: 1984-04-11

Eo Type: Eo Rank: H Eo Rank Date: 1984-04-11

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: 11 April 1984: One specimen of unknown sex and preservation type.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

Specimen:

Biodiversity Research and Teaching Collections, Texas A & M University, College Station, TX; R. D. Bradley (#unknown), Catalog #58528, Prep #RDB 252, 11 April 1984, TCWC.

Element Occurrence Record

Scientific Name: Conepatus leuconotus **Occurrence #:** 49 **Eo Id:** 14134
Common Name: Western hog-nosed skunk **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S4 **Federal Status:**

Location Information:

Directions

The specimen labels state that they were located east of Fort Stockton on I-10. The directions were created by database staff. The directions are generalized as this record consists of multiple observations.

Survey Information:

First Observation: 2007-03-15 **Survey Date:** 2007-04-28 **Last Observation:** 2007-04-28
Eo Type: **Eo Rank:** E **Eo Rank Date:** 2007-04-28

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 21 of 107

Data:

EO Data: 15 March 2007: One specimen of unknown sex and preservation type; 28 April 2007: Two male specimens of unknown preservation type.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

Specimen:

Element Occurrence Record

Scientific Name: *Conepatus leuconotus* **Occurrence #:** 50 **Eo Id:** 14135
Common Name: Western hog-nosed skunk **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S4 **Federal Status:**

Location Information:

Directions

The specimen label states that it was located on Highway 67, 21.7 miles south of Fort Stockton.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 22 of 107

Survey Information:

First Observation: 2005-05-22 **Survey Date:** 2005-05-22 **Last Observation:** 2005-05-22

Eo Type: **Eo Rank:** E **Eo Rank Date:** 2005-05-22

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: 22 May 2005: Skull only of one male preserved specimen.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

Specimen:

Angelo State Natural History Collections, San Angelo, TX; Loren K. Ammerman (#LKA 52), Catalog #13570, 22 May 2005, ASNHC.

Element Occurrence Record

Scientific Name: Conepatus leuconotus

Occurrence #: 51 Eo Id: 14136

Common Name: Western hog-nosed skunk

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G4

State Rank: S4

Federal Status:

Location Information:

Directions

The specimen label states that it was located 24.1 miles east of Fort Stockton on I-10.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 23 of 107

Survey Information:

First Observation: 2007-04-28

Survey Date: 2007-04-28

Last Observation: 2007-04-28

Eo Type:

Eo Rank: E

Eo Rank Date: 2007-04-28

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: 28 April 2007: One specimen of unknown sex and preservation type.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

Specimen:

Element Occurrence Record

Scientific Name: Conepatus leuconotus

Occurrence #: 52 Eo Id: 14137

Common Name: Western hog-nosed skunk

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G4

State Rank: S4

Federal Status:

Location Information:

Directions

The specimen label states that it was located 8 miles north of Fort Stockton.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 24 of 107

Survey Information:

First Observation: 1969-05-11

Survey Date: 1969-05-11

Last Observation: 1969-05-11

Eo Type:

Eo Rank: H

Eo Rank Date: 1969-05-11

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: 11 May 1969: One specimen of unknown sex and preservation type.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Ferguson, Adam. 2014. Texas Skunk Record Database regarding five species of skunk in Texas.

Specimen:

Element Occurrence Record

Scientific Name: Cynomys ludovicianus

Occurrence #: 184 Eo Id: 9197

Common Name: black-tailed prairie dog

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G4

State Rank: S3

Federal Status:

Location Information:

Directions

From the junction of Horse Herd Xing and FM11, travel 3.57 miles north on FM11. The black-tailed prairie dog town is 2.49 miles south of 11. The directions were created by database staff.

Survey Information:

First Observation: 1994-00-00

Survey Date: 1997-00-00

Last Observation: 1997-00-00

Eo Type:

Eo Rank: E

Eo Rank Date: 1997-00-00

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 25 of 107

Data:

EO Data: 1994-1997: One black-tailed prairie dog town was digitized based on aerial imagery.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Texas Parks and Wildlife. 2010. Texas Natural Diversity Database shapefiles, articles, information on black-tailed prairie dog colonies in Texas.

Specimen:

Element Occurrence Record

Scientific Name: Cynomys ludovicianus **Occurrence #:** 185 **Eo Id:** 9198
Common Name: black-tailed prairie dog **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S3 **Federal Status:**

Location Information:

Directions

From the junction of Owego Road and Buena Vista Road, travel 1.75 miles northeast on Buena Vista Road. The black-tailed prairie dog town is 0.60 miles northwest of Buena Vista Road. The directions were created by database staff. The directions are generalized as this record consists of multiple populations/observations. The directions will lead to an actual observation that is central to all other observations.

Survey Information:

First Observation: 1994-00-00 **Survey Date:** 2005-08-24 **Last Observation:** 2005-08-24
Eo Type: **Eo Rank:** E **Eo Rank Date:** 2005-08-24
Observed Area:

Comments:

General 7 August 2004: mesquite shrubland
24 August 2005: shortgrass prairie
Description:

Comments:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 26 of 107

Protection

Comments:

Management

Comments:

Data:

EO Data: 1994-1997: 5 black-tailed prairie dog towns were digitized based on aerial imagery. 7 August 2004 and 24 August 2005: 7 black-tailed prairie dog towns were digitized based on aerial imagery and observed during ground truthing.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Texas Parks and Wildlife. 2010. Texas Natural Diversity Database shapefiles, articles, information on black-tailed prairie dog colonies in Texas.

Element Occurrence Record

Specimen:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 27 of 107

Element Occurrence Record

Scientific Name: Cynomys ludovicianus **Occurrence #:** 187 **Eo Id:** 9200
Common Name: black-tailed prairie dog **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S3 **Federal Status:**

Location Information:

Directions

From the junction of County Road 68 and County Road 66, travel 0.32 miles north on 66. The black-tailed prairie dog town is 0.19 miles west of 66. The directions were created by database staff. The directions are generalized as this record consists of multiple populations/observations. The directions will lead to an actual observation that is central to all other observations.

Survey Information:

First Observation: 2004-08-07 **Survey Date:** 2004-08-07 **Last Observation:** 2004-08-07
Eo Type: **Eo Rank:** E **Eo Rank Date:** 2004-08-07
Observed Area:

Comments:

General 7 August 2004: agricultural field
Description:

Comments:

Protection

Comments:

Management

Comments:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 28 of 107

Data:

EO Data: 7 August 2004: 3 black-tailed prairie dog towns were digitized based on aerial imagery and observed during ground truthing.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Texas Parks and Wildlife. 2010. Texas Natural Diversity Database shapefiles, articles, information on black-tailed prairie dog colonies in Texas.

Specimen:

Element Occurrence Record

Scientific Name: Cyprinodon bovinus **Occurrence #:** 1 **Eo Id:** 2157
Common Name: Leon Springs pupfish **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** E
Global Rank: G1 **State Rank:** S1 **Federal Status:** LE

Location Information:

Directions

APPROXIMATE 7 MILES NORTH OF FORT STOCKTON AND 1.2 MILES WEST OF STATE ROAD 18. NEAR GOMEZ OIL REFINERY.

Survey Information:

First Observation: 1851 **Survey Date:** 1985-05 **Last Observation:** 1984
Eo Type: **Eo Rank:** A **Eo Rank Date:**

Observed Area:

Comments:

General Description: A SALINE SPRING AND SPRING RUN WITH MUD BOTTOM, VERY LITTLE AQUATIC VEGETATION.

Comments: THREATENED BY OIL SPILLS, GROUNDWATER LOWERING, SPRING IMPROVEMENTS. ASSOCIATED WITH 3 RARE MOLLUSKS.

Protection Comments: EXTREMELY FRAGILE, KEEP WET, NO OIL.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 29 of 107

Management Comments: SEE TO OIL UPSTREAM

Data:

EO Data: DIMINISHING AND THREATENED POPULATION OF THIS FISH PRESENT IN THE SPRINGS AND SPRING RUN.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Element Occurrence Record

Citation:

EHELLE, A. A. AND R. R. MILLER. 1974. REDISCOVERY AND RE- DESCRIPTION OF THE LEON SPRINGS PUPFISH, CYPRINODON BOVINUS, FROM PECOS CO., TEXAS. S.W. NATURALIST 19(2):179-190.

KENNEDY, S. E. 1977. LIFE HISTORY OF THE LEON SPRINGS PUP- FISH, CYPRINODON BOVINUS. COPEIA 1:93-103.

ANONYMOUS. 74-05-00. USF& WS STATUS REPORT ON CYPRINODON BOVINUS.

FEDERAL REGISTER. 1980. 45(136):47355-47364.

JOHNSON, JAMES E. (JIM). NO DATE. CHIEF, ENDANGERED SPECIES OFFICE, UNITED STATES FISH AND WILDLIFE SERVICE, REGION 2, ALBUQUERQUE, NM: PH-505/766-2321. *HE IS NOW RETIRED*

USGS. 1974. DIAMOND Y SPRING - 7.5 MINUTE TOPOGRAPHIC MAP (1974). PART ONLY. XEROXED.

Echelle, A. F., A. A. Echelle, L. K. Bonnel, N. L. Allan, J. E. Brooks and J. Karges. 2004. Effects of a restoration effort on an endangered pupfish (*Cyprinodon bovinus*) after genetic introgression by a non-native species. Pp. 129-139. In: Homenaje al Doctor Andres Resendez Medina. Ma. De L. Lozano-V. and A. J. Contreras-B. (eds.) Universidad Autonoma de Nuevo Leon, Monterrey, Mexico.

Allan, N. and J. Gumm. 2007. New Hope for the Leon Springs Pupfish. End. Sp. Bull. XXXII(3): 12-13.

KARGESE, JOHN. THE NATURE CONSERVANCY OF TEXAS, P.O. BOX 1563, ALPINE, TEXAS 79831-1563. PHONE (915) 837-2499.

U. S. Fish and Wildlife Service. 1985. Leon Springs pupfish (*Cyprinodon bovinus*) recovery plan. United States Fish and Wildlife Service, Albuquerque, NM. 30 pp.

Specimen:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 30 of 107

Element Occurrence Record

Scientific Name: Cyprinodon bovinus **Occurrence #:** 2 **Eo Id:** 99
Common Name: Leon Springs pupfish **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** E
Global Rank: G1 **State Rank:** S1 **Federal Status:** LE

Location Information:

Directions
LEON CREEK, 12.5 MILES NORTH OF FORT STOCKTON

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 31 of 107

Survey Information:

First Observation: **Survey Date:** **Last Observation:** 1976-01-12
Eo Type: **Eo Rank:** **Eo Rank Date:**
Observed Area:

Comments:

General Description:

Comments: ELEVEN SPECIMENS, UNCATALOGED; COLLECTED 29 MARCH 1975 AND 12 JANUARY 1976

Protection Comments:

Management Comments:

Data:

EO Data:

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

COKENDOLPHER, J. 1976. SPECIMEN COLLECTION MU.

Specimen:

Midwestern State University. 1976. J. Cokendolpher, Specimen MU. 12 January 1976.

COKENDOLPHER, J. 1976. SPECIMEN COLLECTION MU. (S76COKMUTXUS)

Element Occurrence Record

Scientific Name: Cyprinodon bovinus **Occurrence #:** 3 **Eo Id:** 5662
Common Name: Leon Springs pupfish **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** B
Global Rank: G1 **State Rank:** S1 **Federal Status:** LE

Location Information:

Directions

LEON CREEK approx. 6 KILOMETERS WEST OF HIGHWAY 18, approx. 16 KILOMETERS NORTH OF FORT STOCKTON, PECOS COUNTY, TEXAS; ALSO, 2 KILOMETERS SOUTH OF THIS SITE

Survey Information:

First Observation: 1853 **Survey Date:** 2007 **Last Observation:** 2007
Eo Type: **Eo Rank:** B **Eo Rank Date:**
Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 32 of 107

Data:

EO Data: 126 AND 101 SPECIMENS COLLECTED 71-11-17 AND 72-03-26 RESPECTIVELY, NOW AT U. OK. MUS. ZOOL.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>
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Reference:

Element Occurrence Record

Citation:

JOHNSON, JAMES E. (JIM). NO DATE. CHIEF, ENDANGERED SPECIES OFFICE, UNITED STATES FISH AND WILDLIFE SERVICE, REGION 2, ALBUQUERQUE, NM. PH-505/766-2321. *HE IS NOW RETIRED*

EHELLE, A. A. AND R. R. MILLER. 1974. REDISCOVERY AND RE- DESCRIPTION OF THE LEON SPRINGS PUPFISH, CYPRINODON BOVINUS, FROM PECOS CO., TEXAS. S.W. NATURALIST 19(2):179-190.

ANONYMOUS. 74-05-00. USF& WS STATUS REPORT ON CYPRINODON BOVINUS.

SOAH Docket No. 473-19-1265

FEDERAL REGISTER. 1980. 45(136):47355-47364.

PUC Docket No. 48785

Attachment Staff 1-3

USGS. 1974. DIAMOND Y SPRING - 7.5 MINUTE TOPOGRAPHIC MAP (1974). PART ONLY. XEROXED.

Page 33 of 107

U. S. Fish and Wildlife Service. 1985. Leon Springs pupfish (*Cyprinodon bovinus*) recovery plan. United States Fish and Wildlife Service, Albuquerque, NM. 30 pp.

Echelle, A. A., and A. F. Echelle. 1997. Genetic introgression of endemic taxa by non-natives: a case study with Leon Springs pupfish and sheepshead minnow. *Conservation Biology* 11:153-161.

Echelle, A. F., A. A. Echelle, L. K. Bonnel, N. L. Allan, J. E. Brooks and J. Karges. 2004. Effects of a restoration effort on an endangered pupfish (*Cyprinodon bovinus*) after genetic introgression by a non-native species. Pp. 129-139. In: *Homenaje al Doctor Andres Resendez Medina*. Ma. De L. Lozano-V. and A. J. Contreras-B. (eds.) Universidad Autonoma de Nuevo Leon, Monterrey, Mexico.

KARGESE, JOHN. THE NATURE CONSERVANCY OF TEXAS, P.O. BOX 1563, ALPINE, TEXAS 79831-1563. PHONE (915) 837-2499.

Specimen:

Element Occurrence Record

Scientific Name: Cyprinodon pecosensis **Occurrence #:** 4 **Eo Id:** 3314
Common Name: Pecos pupfish **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** T
Global Rank: G2 **State Rank:** S1 **Federal Status:**

Location Information:

Directions

PECOS RIVER AT U.S. 67 EAST OF GIRVIN, PECOS COUNTY

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 34 of 107

Survey Information:

First Observation: 1976 **Survey Date:** **Last Observation:** 1980-07
Eo Type: **Eo Rank:** X **Eo Rank Date:**
Observed Area:

Comments:

General Description: CLEAR, HIGHLY SALINE WATER; SUBSTRATE MUCKY WITH PATCHES OF FILAMENTOUS ALGAE

Comments: THREAT IS GENETIC SWAMPING BY INTRODUCED CYPRINODON VARIEGATUS (SHEEPHEAD MINNOW)

Protection

Comments:

Management

Comments:

Data:

EO Data: A NUMBER OF FISH TAKEN IN A SEINE; ASSOC. INCLUDED FUNDULUS ZEBRINUS, MENIDIA BERYLLINA, LUCANIA PARVA AND G. AFFINIS; ONLY HYBRIDS OF C. VARIEGATUS COLLECTED SINCE 1980

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

DAVIS, JACK R. 1981. DIET OF THE PECOS RIVER PUPFISH, CYPRINODON PECOSENSIS (CYPRINODONTIDAE). SOUTHWESTERN NAT. 25(4):535-540.

EHELLE, ANTHONY A. 1986. PERSONAL COMMUNICATION OF APRIL 18, 1986. RE: CYPRINODON PECOSENSIS HYBRIDS.

Element Occurrence Record

Specimen:

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 35 of 107

Element Occurrence Record

Scientific Name: Cyprinodon pecosensis **Occurrence #:** 10 **Eo Id:** 2968
Common Name: Pecos pupfish **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** T
Global Rank: G2 **State Rank:** S1 **Federal Status:**

Location Information:

Directions

PECOS RIVER, 6 KILOMETERS EAST OF GIRVIN, PECOS COUNTY

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 36 of 107

Survey Information:

First Observation: 1972 **Survey Date:** **Last Observation:** 1978-PRE
Eo Type: **Eo Rank:** X **Eo Rank Date:**
Observed Area:

Comments:

General Description: A MEDIUM SIZED DESERT STREAM; SALINE IN STRETCHES, VARIABLE FLOW AND OCCASIONAL FLOODS

Comments: THREATS INCLUDE HYBRIDIZATION WITH C. VARIEGATUS AND TOXIC ALGAL BLOOMS IN PECOS RIVER

Protection

Comments:

Management

Comments:

Data:

EO Data: 71 FISH COLLECTED AT THIS LOCALITY (TNHC 4820); EXTENT OF HYBRIDIZATION NEEDS TO BE DETERMINED; PURE POPULATIONS, ONCE FOUND, SHOULD BE PROTECTED; ONLY HYBRIDS COLLECTED RECENTLY

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

EHELLE, A. A. AND A. F. EHELLE. 1978. THE PECOS RIVER PUPFISH, CYPRINODON PECOSENSIS, N. SP. (CYPRINODONTIDAE), WITH COMMENTS ON ITS EVOLUTIONARY ORIGIN. COPEIA 1978(4):569-582.

EHELLE, ANTHONY A. 1986. PERSONAL COMMUNICATION OF APRIL 18, 1986. RE: CYPRINODON PECOSENSIS HYBRIDS.

Element Occurrence Record

Specimen:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 37 of 107

Element Occurrence Record

Scientific Name: *Dionda episcopa* **Occurrence #:** 11 **Eo Id:** 13077
Common Name: roundnose minnow **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S5 **Federal Status:**

Location Information:

SOAH Docket No. 473-19-1265

Directions

Data aggregated from Fishes of Texas specimens. No directions added.

PUC Docket No. 48785

Attachment Staff 1-3

Page 38 of 107

Survey Information:

First Observation: 1939-05-06 **Survey Date:** 1940-09-06 **Last Observation:** 1940-09-06
Eo Type: **Eo Rank:** H **Eo Rank Date:** 1940-09-06
Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: 6 May 1939: At least 1 specimen collected. 6 Sep 1940: At least 2 specimens collected.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Fishes of Texas. 2015. Database download from the Fishes of Texas online database (<http://www.fishesoftexas.org/home/>) of SGCN species on 11 May 2015. University of Texas, Texas Natural History Collections, Excel spreadsheet.

Specimen:

Element Occurrence Record

Mayborn Museum, Baylor University, Waco, TX; Leo T. Murray, family/ies (#unknown), Catalog # 1635, 9 Sep 1940, SMBU.

Mayborn Museum, Baylor University, Waco, TX; Leo T. Murray, family/ies (#unknown), Catalog # 1636, 9 Sep 1940, SMBU.

Mayborn Museum, Baylor University, Waco, TX; Leo T. Murray, family/ies (#unknown), Catalog # 1637, 9 Sep 1940, SMBU.

Mayborn Museum, Baylor University, Waco, TX; Leo T. Murray, family/ies (#unknown), Catalog # 1638, 9 Sep 1940, SMBU.

Mayborn Museum, Baylor University, Waco, TX; Leo T. Murray, family/ies (#unknown), Catalog # 1639, 9 Sep 1940, SMBU.

Mayborn Museum, Baylor University, Waco, TX; Leo T. Murray (#unknown), Catalog # 1640, 9 Sep 1940, SMBU.

Museum of Natural History, University of Michigan, Ann Arbor, MI; Leo T. Murray, family/ies (#unknown), Catalog # 132266, 9 Sep 1940, UMMZ.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 39 of 107

Element Occurrence Record

Scientific Name: *Dionda episcopa* **Occurrence #:** 18 **Eo Id:** 13110
Common Name: roundnose minnow **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S5 **Federal Status:**

Location Information:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 40 of 107

Directions

Data aggregated from Fishes of Texas specimens. No directions added.

Survey Information:

First Observation: 1992-03-23 **Survey Date:** 1992-03-23 **Last Observation:** 1992-03-23
Eo Type: **Eo Rank:** H **Eo Rank Date:** 1992-03-23
Observed Area:

Comments:

General Description:

Comments:

Protection Comments:

Management Comments:

Data:

EO Data: 23 Mar 1992: 5 specimens collected.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>
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Reference:

Citation:

Fishes of Texas. 2015. Database download from the Fishes of Texas online database (<http://www.fishesoftexas.org/home/>) of SGCN species on 11 May 2015. University of Texas, Texas Natural History Collections, Excel spreadsheet.

Specimen:

Biology Collections, Sul Ross State University, Alpine, TX; SRSU Geology (#unknown), Catalog # 368, 3 Mar 1992, SRSU.

Element Occurrence Record

Scientific Name: *Dionda episcopa* Occurrence #: 21 Eo Id: 13121
Common Name: roundnose minnow Track Status: Track all extant and selected historical EOs
Identification Confirmed: Y - Yes TX Protection Status:
Global Rank: G4 State Rank: S5 Federal Status:

Location Information:

Directions

Data aggregated from Fishes of Texas specimens. No directions added.

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 41 of 107

Survey Information:

First Observation: 1854-12-31 Survey Date: 1942-04-27 Last Observation: 1942-04-27
Eo Type: Eo Rank: H Eo Rank Date: 1942-04-27
Observed Area:

Comments:

General
Description:

Comments:

Protection
Comments:

Management
Comments:

Data:

EO Data: 31 Dec 1854: At least 1 specimen collected. 10 Sep 1938: 2 specimens collected. 27 Apr 1942: At least 1 specimen collected.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Fishes of Texas. 2015. Database download from the Fishes of Texas online database (<http://www.fishesoftexas.org/home/>) of SGCN species on 11 May 2015. University of Texas, Texas Natural History Collections, Excel spreadsheet.

Specimen:

Element Occurrence Record

Ichthyology Collections, California Academy of Sciences, San Francisco, CA; Earl S. Herald (#unknown), Catalog # 160206, 4 Apr 1942, CAS.

National Museum of Natural History, Smithsonian Institution, Washington DC, 0; John H. Clark (#unknown), Catalog # 46, 12 Dec 1854, USNM.

National Museum of Natural History, Smithsonian Institution, Washington DC, 0; Carl Leavitt Hubbs, family (#unknown), Catalog # 117525, 9 Sep 1938, USNM.

Texas Cooperative Wildlife Collections, Texas A&M University, College Station, TX; Carl Leavitt Hubbs, family (#unknown), Catalog # 1091.01, 9 Sep 1938, TCWC.

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 42 of 107

Element Occurrence Record

Scientific Name: *Dionda episcopa* **Occurrence #:** 22 **Eo Id:** 13123
Common Name: roundnose minnow **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G4 **State Rank:** S5 **Federal Status:**

Location Information:

Directions

Data aggregated from Fishes of Texas specimens. No directions added.

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 43 of 107

Survey Information:

First Observation: 1974-08-26 **Survey Date:** 1974-08-26 **Last Observation:** 1974-08-26
Eo Type: **Eo Rank:** H **Eo Rank Date:** 1974-08-26
Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: 26 Aug 1974: At least 1 specimen collected.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Fishes of Texas. 2015. Database download from the Fishes of Texas online database (<http://www.fishesoftexas.org/home/>) of SGCN species on 11 May 2015. University of Texas, Texas Natural History Collections, Excel spreadsheet.

Specimen:

Tulane Museum of Natural History, Tulane University, New Orleans, LA; Royal D. Suttkus, L. Branch (#unknown), Catalog # 90700, 8 Aug 1974, TU.

Element Occurrence Record

Scientific Name: Echinocereus viridiflorus var. correllii

Occurrence #: 1 Eo Id: 3951

Common Name: Correll's green pitaya

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G5T2 State Rank: S2

Federal Status:

Location Information:

Directions

NORTH OF FORT STOCKTON

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 44 of 107

Survey Information:

First Observation: 1953

Survey Date:

Last Observation: 1953-03-12

Eo Type:

Eo Rank: H

Eo Rank Date: 2006-12-12

Observed Area:

Comments:

General LIMESTONE HILLS

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: INFREQUENT

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

WARNOCK, B.H. (11031). 1953. SPECIMEN # NONE SR.

Specimen:

Sul Ross State University Herbarium. 1953. B.H. Warnock #11031, Specimen # none SRSC. 12 March 1953.

WARNOCK, B. H. (11031). 1953. SPECIMEN # NONE SR. (S53WARSRTXUS)

Element Occurrence Record

Scientific Name: Eriogonum suffruticosum

Occurrence #: 4 Eo Id: 6003

Common Name: bushy wild-buckwheat

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2

State Rank: S2

Federal Status:

Location Information:

SOAH Docket No. 473-19-1265

Directions

PUC Docket No. 48785

Attachment Staff 1-3

Page 45 of 107

LIMESTONE SOIL ALONG HWY 67, 25 MILES SOUTHWEST OF FORT STOCKTON

Survey Information:

First Observation: 1960

Survey Date:

Last Observation: 1960-07-26

Eo Type:

Eo Rank: U

Eo Rank Date: 2006-12-12

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: INFREQUENT

Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

Reference:

Citation:

CLARK, J. J. AND A. M. POWELL. 83-12-00. FEDERAL STATUS REPORT.

WARNOCK, B.H. (19998). 1960. SPECIMEN # NONE SR.

Specimen:

Element Occurrence Record

Sul Ross State University Herbarium, Alpine. 1960. B.H. Warnock #19998, Specimen # none SRSC. 26 July 1960.

WARNOCK, B.H. (19998). 1960. SPECIMEN # NONE SR. (S60WARSRTXUS)

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 46 of 107

Element Occurrence Record

Scientific Name: Escobaria albicolumnaria

Occurrence #: 9 Eo Id: 3847

Common Name: white column cactus

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2G3

State Rank: S2S3

Federal Status:

Location Information:

SOAH Docket No. 473-19-1265

Directions

JUST WEST OF BAKERSFIELD

PUC Docket No. 48785

Attachment Staff 1-3

Page 47 of 107

Survey Information:

First Observation:

Survey Date:

Last Observation: 1983-05-24

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General LIMESTONE HILLS

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

HOWELL, D.J. 1986. FEDERAL STATUS REPORT ON CORYPHANTHA STROBILIFORMIS VAR. DURISPINA (C. SNEEDII VAR. ALBICOLUMNARIA).

Specimen:

Sul Ross State University Herbarium, Alpine. 1983. Powell #3999, Specimen # ? SRSC. 24 May 1983.

Element Occurrence Record

Scientific Name: Euphorbia astyla

Occurrence #: 1 Eo Id: 3923

Common Name: alkali spurge

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status:

Global Rank: G2

State Rank: S1

Federal Status:

Location Information:

SOAH Docket No. 473-19-1265

Directions

ALONG HIGHWAY CA. 12 MILES NORTH OF FORT STOCKTON

PUC Docket No. 48785

Attachment Staff 1-3

Page 48 of 107

Survey Information:

First Observation:

Survey Date:

Last Observation: 1954-06-25

Eo Type:

Eo Rank:

Eo Rank Date:

Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data:

Community Information:

Scientific Name:

Stratum:

Dominant:

Lifeform:

Composition Note:

Reference:

Citation:

WARNOCK, B.N. (11985). 1954. SPECIMEN # NONE SMU.

Specimen:

Element Occurrence Record

Southern Methodist University Herbarium. 1954. B.H. Warnock #11985, Specimen # none SMU. 25 June 1954.

University of Texas at Austin, Lundell Herbarium. 1954. B.H. Warnock #11985, Specimen # none TEX-LL. 25 June 1954.

Sul Ross State University Herbarium, Alpine. 1954. B.H. Warnock #11985, Specimen # none SR. 25 June 1954.

WARNOCK, B.N. (11985). 1954. SPECIMEN # NONE SMU. (S54WARSMTXUS)

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 49 of 107

Element Occurrence Record

Scientific Name:	Euphorbia astyla	Occurrence #:	2	Eo Id:	6881
Common Name:	alkali spurge	Track Status:	Track all extant and selected historical EOs		
Identification Confirmed:	Y - Yes	TX Protection Status:			
Global Rank:	G2	State Rank:	S1	Federal Status:	

Location Information:

Directions

Diamond Y Spring Preserve. Detected at 4 sites (stops 6, 7, 9 and 11 in bestsource report) during Sep 2004 survey; the seeming isolation / distinction of these sites is merely an artifact of limited field time. Directions for the 4 sites (A-D) are: Area A (stop 6 in Sep 2004 report): W side of Diamond Y Draw, mostly S of pipeline clearing ca. 1/4 mi W of St. Rt. 18 in NE corner of preserve, ca. 3.1-3.2 airmiles NNE of Diamond Y Spring, ca. 1.0 airmiles SSW of N gate; GPS points include N31o02'15.2", W102o53'36.2"; N31o02'14.9", W102o53'36.5"; N31o02'15.1", W102o53'37.0"; N31o02'14.9", W102o53'37.2"; N31o02'14.8", W102o53'37.4"; N31o02'14.7", W102o53'37.2"; N31o02'14.7", W102o53'37.4"; N31o02'14.7", W102o53'37.7"; N31o02'14.7", W102o53'37.9"; N31o02'14.6", W102o53'38.4"; N31o02'14.3", W102o53'38.4"; N31o02'13.3", W102o53'39.3"; N31o02'12.3", W102o53'40.7"; N31o02'11.7", W102o53'41.5"; N31o02'11.4", W102o53'41.6"; N31o02'10.3", W102o53'42.3"; N31o02'10.1", W102o53'42.5"; N31o02'09.3", W102o53'43.6"; and N31o02'11.2", W102o53'42.7". Area B (stop 7 in Sep 2004 report): E side of Diamond Y Draw, N and S of pipeline clearing ca. 1/4 mi W of St. Rt. 18 in NE corner of preserve, ca. 3.1-3.2 airmiles NNE of Diamond Y Spring, ca. 1.0 airmiles SSW of N gate; GPS points include N31o02'09.8", W102o53'24.9"; N31o02'10.0", W102o53'24.4"; N31o02'10.9", W102o53'23.9"; N31o02'11.5", W102o53'22.8"; N31o02'12.1", W102o53'22.1"; N31o02'12.0", W102o53'21.6". Area C (stop 9 in Sep 2004 report): flat on W side of Diamond Y Draw, E side of road leading S from house on new part of preserve (road not marked on topo) at curves ca. 2.1-2.2 airmiles NNE of Diamond Y Spring, ca. 1.5-1.6 airmiles SSW of N gate; polygon-defining points include N31o01'44.6", W102o54'16.5"; N31o01'46.2", W102o54'16.8"; N31o01'46.5", W102o54'17.4"; N31o01'46.1", W102o54'16.5"; N31o01'46.0", W102o54'16.1"; N31o01'46.8", W102o54'13.8"; N31o01'47.0", W102o54'12.6"; N31o01'47.4", W102o54'11.8"; N31o01'49.7", W102o54'09.7"; and N31o01'50.8", W102o54'10.4". Area D (stop 11 in Sep 2004 report): flat on W side of Diamond Y Draw, on and E of a N-S gas pipeline near large active pump jack on E side of major road that leads SW from house on new part of preserve, 1.5-1.6 airmiles NNE of Diamond Y Spring, ca. 2.4-2.5 airmiles SSW of N gate; polygon-defining points include N31o01'10.5", W102o54'32.4"; N31o01'08.5", W102o54'33.0"; N31o01'09.3", W102o54'32.7"; N31o01'08.4", W102o54'34.1"; and N31o01'07.0", W102o54'35.6". TWO LOCATIONS ON DIAMOND Y SPRINGS PRESERVE; SUBOCCURRENCE A: TERRACE ALONG SOUTHEAST SIDE OF DIAMOND Y DRAW, CA. 1000-1500 FEET SOUTHWEST OF STATE ROUTE 18 BRIDGE; SUBOCCURRENCE B: WEST SIDE OF A NORTH-SOUTH ROAD IN VICINITY OF MONSANTO POOL, TERRACE ON SOUTHEAST SIDE OF DIAMOND Y DRAW, CA. 1.0 AIR MILE SOUTHWEST OF STATE ROUTE 18 BRIDGE

Survey Information:

First Observation:	2001-09-26	Survey Date:	2004-09-24	Last Observation:	2004-09-24
Eo Type:		Eo Rank:	A	Eo Rank Date:	2004-11-01
Observed Area:					

Comments:

General
Description: 2001: Sparingly vegetated flats on saline clay or silt on level alluvial terraces along and slightly above channel of stream fed by perennial desert stream, below level of adjacent limestone slopes. Dominant species in this zone include Sporobolus airoides and small Prosopis glandulosa, but in this particular habitat / successional state grass cover is about 25 % or less and most of the soil is bare. This species was not observed in disturbed sites from which Tamarix was recently mechanically removed.

Comments: ALTHOUGH CARR GOT VERY EXCITED ABOUT FINDING THIS BEAUTIFUL AND STRIKINGLY DIFFERENT CHAMAESYCE, EVEN GOING SO FAR AS TO FORCE HIS FIELD COMPANIONS TO BOW DOWN AND WORSHIP IT, HE HAD NO IDEA AS TO ITS IDENTITY AT THE TIME; A SERIOUS SURVEY SHOULD BE UNDERTAKEN DURING THE 2002 FIELD SEASON

Protection Comments:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3

1/23/2018

Element Occurrence Record

Management

Comments:

Data:

EO Data: 2004: thousands of individuals observed on 24 Sep 2004, many or most in flower and fruit. Area A (stop 6 in Sep 2004 report): several hundred plants observed but probably 1000 or more present, 24 Sep 2004. Area B (stop 7 in Sep 2004 report): ca. 100 plants observed on 24 Sep 2004. Area C (stop 9 in Sep 2004 report): hundreds of perhaps thousands of plants observed on 24 Sep 2004. Area D (stop 11 in Sep 2004 report): perhaps 100 plants observed on 24 Sep 2004. 2001-09-26: Several hundred plants casually encountered on 26 Sep 2001; identity not known at time of discovery, so no survey was undertaken.

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

Carr, W.R., D. Benesh, J. Karges & J. Poole (20147). 2001. TEX-LL.

Carr, W. R. 2004. A botanical survey of the expanded Diamond Y Spring Preserve, Pecos County, Texas, 25-26 September 2004. Unpublished report, The Nature Conservancy of Texas, San Antonio.

Specimen:

UNIVERSITY OF TEXAS AT AUSTIN HERBARIUM. 2001. W.R. CARR #20147, 20155, D. BENESH, J. KARGES, AND J. POOLE, SPECIMEN # NONE TEX-LL. 26 SEPTEMBER 2001.

Carr, W.R., D. Benesh, J. Karges & J. Poole (20147). 2001. TEX-LL. (S01CARTXTXUS)

Carr, W.R., D. Benesh, J. Karges & J. Poole (20155). 2001. TEX-LL. (S01CARTXTXUS)

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 51 of 107

Element Occurrence Record

Scientific Name: Euphorbia jejuna **Occurrence #:** 7 **Eo Id:** 2242
Common Name: dwarf broomspurge **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:**
Global Rank: G2 **State Rank:** S2 **Federal Status:**

Location Information:

Directions

"LIMESTONE SOIL 6 MILES SOUTH OF GRANDFALLS, ELEVATION 3800 FEET"

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 52 of 107

Survey Information:

First Observation: **Survey Date:** **Last Observation:** 1960-07-28
Eo Type: **Eo Rank:** U **Eo Rank Date:** 2006-12-12
Observed Area:

Comments:

General

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: "FREQUENT LOCALLY"

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

WARNOCK, B.H. (20328). 1960. SPECIMEN # ? SRSC.

Specimen:

SUL ROSS STATE UNIVERSITY HERBARIUM, ALPINE. 1960. B.H. WARNOCK #20328, SPECIMEN # ? SRSC. 28 JULY 1960.

WARNOCK, B.H. (20328). 1960. SPECIMEN # ? SRSC. (S60WARSRTXUS)

Element Occurrence Record

Scientific Name: *Gambusia nobilis* **Occurrence #:** 1 **Eo Id:** 1893
Common Name: Pecos gambusia **Track Status:** Track all extant and selected historical EOs
Identification Confirmed: Y - Yes **TX Protection Status:** E
Global Rank: G2 **State Rank:** S2 **Federal Status:** LE

Location Information:

Directions

APPROXIMATELY 7 MILES NORTH OF FORT STOCKTON AND 1.2 MILES WEST OF STATE ROAD 18, NEAR GOMEZ OIL REFINERY

Survey Information:

First Observation: ? **Survey Date:** 1985-05 **Last Observation:** 1984
Eo Type: **Eo Rank:** A **Eo Rank Date:**
Observed Area:

Comments:

General Description: A SALINE SPRING AND SPRING RUN WITH MUD BOTTOM, VERY LITTLE AQUATIC VEGETATION

Comments: HEADPOOL OF SPRING HAS THE MOST NUMBERS AND LEAST HYBRIDIZED POPULATION. BEST PORTION OF SPRING RUN IS WEST OF SR 18.

Protection Comments: FRAGILE ECOSYSTEM, PROTECT FROM DRYING AND POLLUTION

Management Comments: CONTROL INTRODUCED FISH SPECIES

Data:

EO Data: THIS FISH IS ABUNDANT IN THE ENTIRE SPRING RUN. G. AFFINIS ALSO OCCURS HERE, G. GEISERI IS INTRODUCED AND ESTABLISHED. ASSOCIATED WITH CYPRINODON BOVINUS AND 3 ENDEMIC MOLLUSKS.

Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:
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Reference:

Element Occurrence Record

Citation:

JOHNSON, JAMES E. (JIM). NO DATE. CHIEF, ENDANGERED SPECIES OFFICE, UNITED STATES FISH AND WILDLIFE SERVICE, REGION 2, ALBUQUERQUE, NM. PH-505/766-2321. *HE IS NOW RETIRED*

HUBBS, CLARK. DEPARTMENT OF ZOOLOGY. UNIVERSITY OF TEXAS AT AUSTIN. AUSTIN, TX 78712.

ECHELLE, A. A. AND A. F. ECHELLE. 1980. STATUS OF THE PECOS GAMBUSIA (GAMBUSIA NOBILIS). USF& WS, ALBUQUERQUE, NM 73 PP.

U.S. Fish and Wildlife Service. 1983. Pecos gambusia recovery plan. Pp. 41. U.S. Fish and Wildlife Service, Albuquerque, New Mexico.

ECHELLE, A. F. AND A. A. ECHELLE. 1986. GEOGRAPHIC VARIATION IN MORPHOLOGY OF A SPRING DWELLING DESERT FISH, GAMBUSIA NOBILIS (POECILIIDAE). S. W. NAT. 31(4):459-468.

Specimen:

SOAH Docket No. 473-19-1265
PUC Docket No. 48785
Attachment Staff 1-3
Page 54 of 107

Element Occurrence Record

Scientific Name: Helianthus paradoxus

Occurrence #: 2 Eo Id: 2120

Common Name: Pecos sunflower

Track Status: Track all extant and selected historical EOs

Identification Confirmed: Y - Yes

TX Protection Status: T

Global Rank: G2

State Rank: S1

Federal Status: LT

Location Information:

Directions

ABOUT 5 MILES NORTH OF FORT STOCKTON

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 55 of 107

Survey Information:

First Observation: 1946

Survey Date:

Last Observation: 1946-11-05

Eo Type:

Eo Rank: H

Eo Rank Date: 2006-12-07

Observed Area:

Comments:

General ALKALI FLATS

Description:

Comments:

Protection

Comments:

Management

Comments:

Data:

EO Data: COMMON; IN FLOWER AND FRUIT

Community Information:

<u>Scientific Name:</u>	<u>Stratum:</u>	<u>Dominant:</u>	<u>Lifeform:</u>	<u>Composition Note:</u>

Reference:

Citation:

WARNOCK, B.H. (46763). 1946. SPECIMEN # 163768 TX.

Specimen:

Element Occurrence Record

University of Texas at Austin Herbarium. 1946. Barton H. Warnock #46763, Specimen # 163768 TEX. 5 November 1946.

Southern Methodist University Herbarium. 1946. B.H. Warnock #46763, Specimen # none SMU. 5 November 1946.

WARNOCK, B. H. (46763). 1946. SPECIMEN # 163768 TX. (S46WARTXTXUS)

SOAH Docket No. 473-19-1265

PUC Docket No. 48785

Attachment Staff 1-3

Page 56 of 107